

1	1	Lifting Lug	DWG001	AISI 8630 80ksi	92.5
1	2	Main Body	DWG002	AISI 8630 80ksi	1541
1	3	Secondary lock pin	DIR: 10000331393		
1	4	Locking ring	DWG003	AISI 8630 80ksi	206
1	5	Endcap	DWG004	AISI 8630 80ksi	38
6	6	M30x180 ISO4762			
1	7	Funnel	DWG005	TTSTE 355 Z3	271
4	8	M10x40 ISO4762			
1	9	Anti-rotation top bracket	DWG006	TTSTE 355 Z3	2
2	10	M10x40 ISO4762			
1	11	Anti-rotation bottom bracket	DWG007	TTSTE 355 Z3	3.8
1	12	Anti-rotation pin	DWG008	TTSTE 355 Z3	12
2	13	Locking ring clips 3D printed			
4	14	M10x30 DIN 933.			
2	15	M10x50 DIN 933.			
2	16	Locking ring handle	DWG009	TTSTE 355 Z3	1.6
2	17	Indicator, Locking ring, 3D printed			
1	18	Off Center ruler right	DWG010	TTSTE 355 Z3	1.4
8	19	M10x30 DIN 933.			
1	20	Off center ruler left	DWG010	TTSTE 355 Z3	1.4
4	21	M10x30 DIN 933.			
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.



NTNU Aalesund
Larsgardsvegen 2
6009 Aalesund
Norway

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Part Name / Part Description

Assembly drawing

XTHT

Drawn By:

FØ, JN

Date:

20.05.19

Sheet:

A3 - 1 of 2

Scale:

1:14

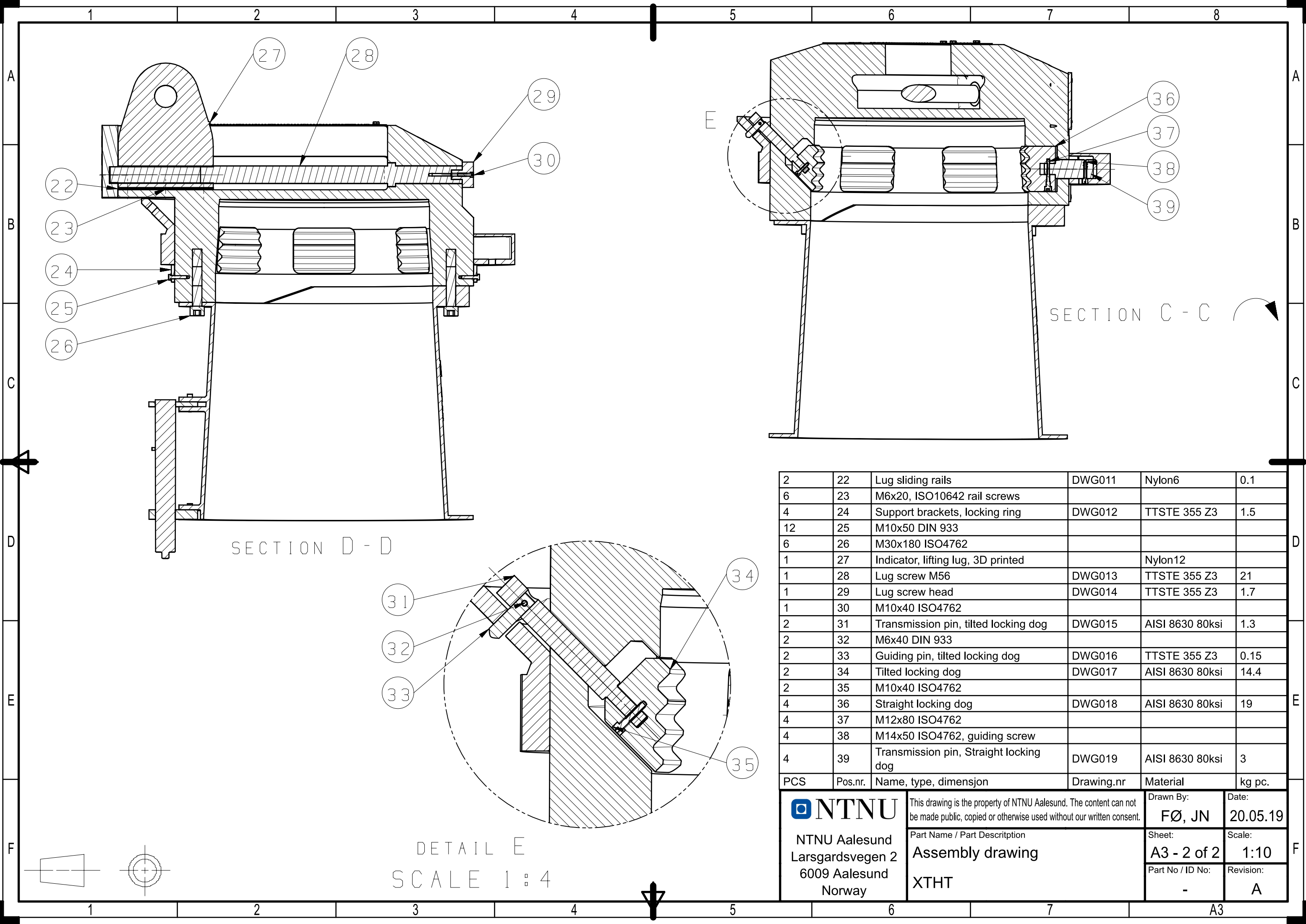
Part No / ID No:

-

Revision:

A

A3



2	22	Lug sliding rails	DWG011	Nylon6	0.1
6	23	M6x20, ISO10642 rail screws			
4	24	Support brackets, locking ring	DWG012	TTSTE 355 Z3	1.5
12	25	M10x50 DIN 933			
6	26	M30x180 ISO4762			
1	27	Indicator, lifting lug, 3D printed		Nylon12	
1	28	Lug screw M56	DWG013	TTSTE 355 Z3	21
1	29	Lug screw head	DWG014	TTSTE 355 Z3	1.7
1	30	M10x40 ISO4762			
2	31	Transmission pin, tilted locking dog	DWG015	AISI 8630 80ksi	1.3
2	32	M6x40 DIN 933			
2	33	Guiding pin, tilted locking dog	DWG016	TTSTE 355 Z3	0.15
2	34	Tilted locking dog	DWG017	AISI 8630 80ksi	14.4
2	35	M10x40 ISO4762			
4	36	Straight locking dog	DWG018	AISI 8630 80ksi	19
4	37	M12x80 ISO4762			
4	38	M14x50 ISO4762, guiding screw			
4	39	Transmission pin, Straight locking dog	DWG019	AISI 8630 80ksi	3
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.



NTNU Aalesund
Larsgardsvegen 2
6009 Aalesund
Norway

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Part Name / Part Description

Assembly drawing

XTHT

Drawn By:

FØ, JN

Date:

20.05.19

Sheet:

A3 - 2 of 2

Scale:

1:10

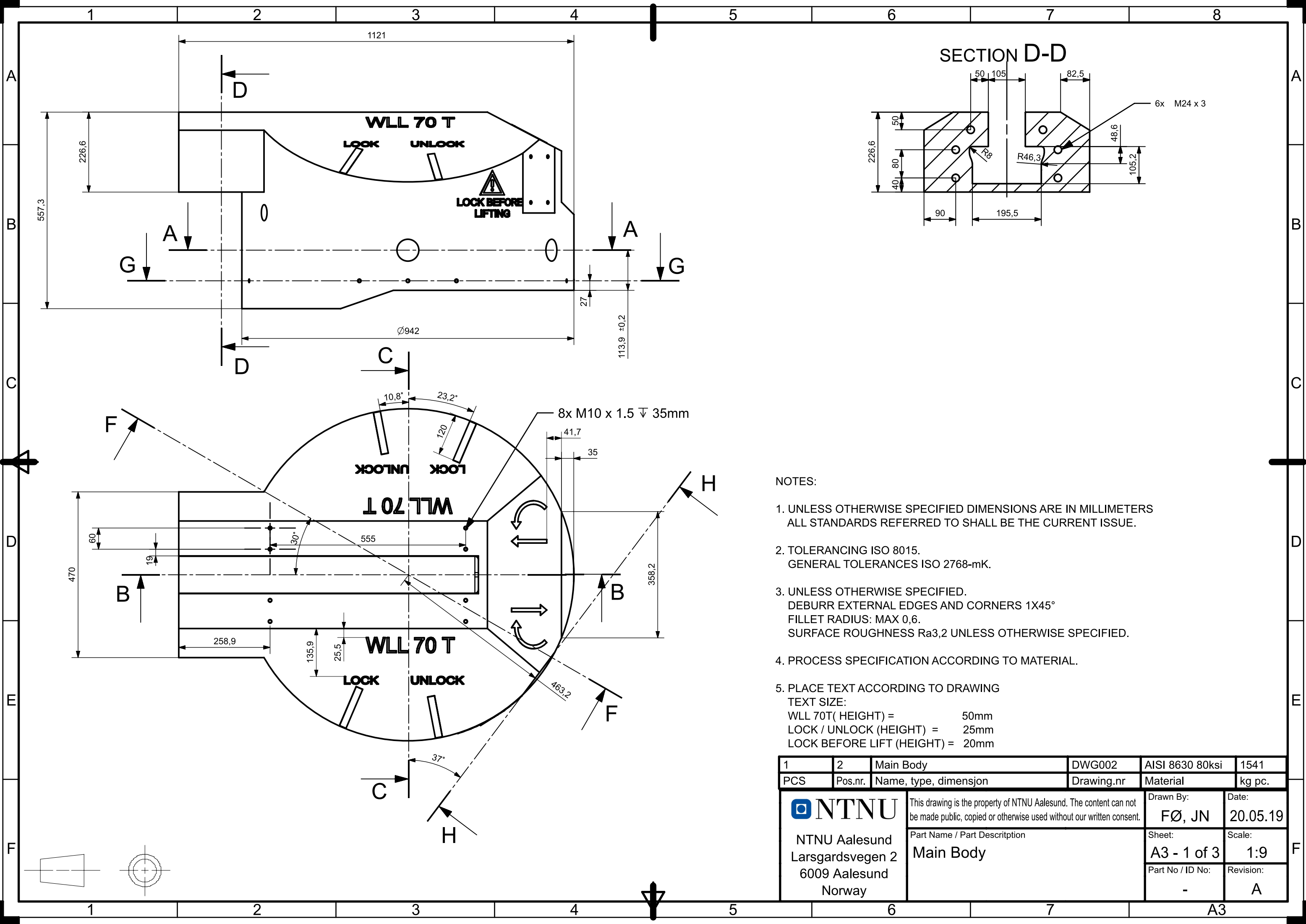
Part No / ID No:

-

Revision:


A

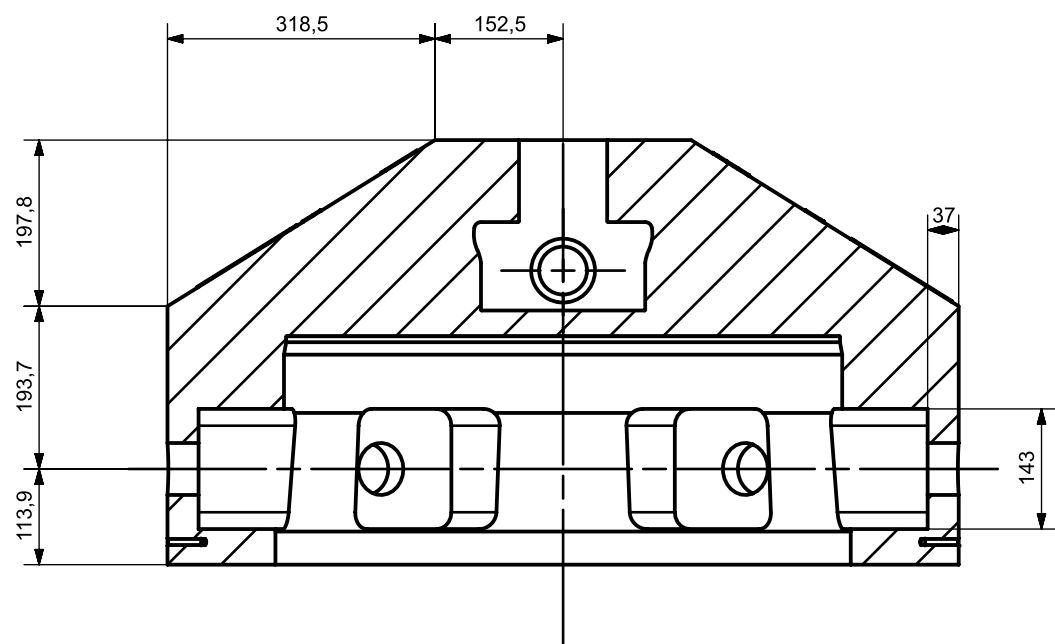
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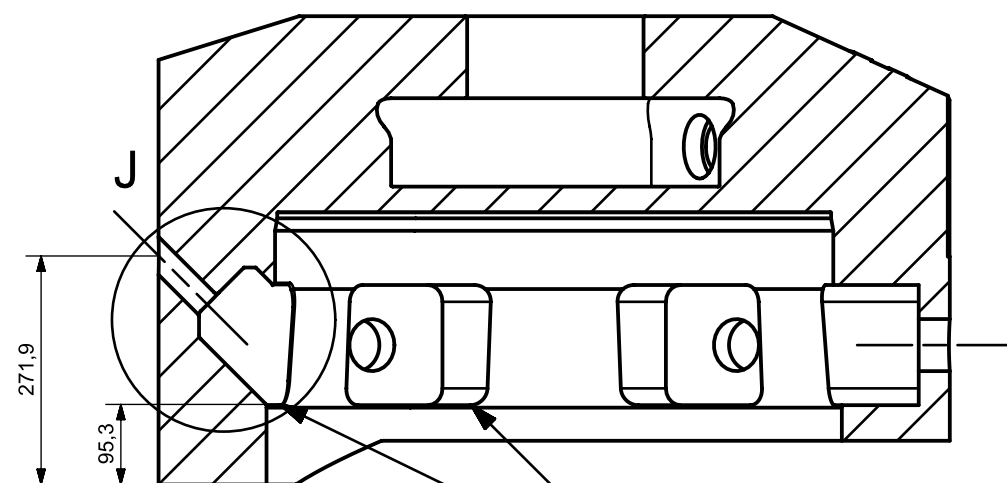
NOTES:

- UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
- TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
- UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
- PROCESS SPECIFICATION ACCORDING TO MATERIAL.
- PLACE TEXT ACCORDING TO DRAWING
TEXT SIZE:
WLL 70T(HEIGHT) = 50mm
LOCK / UNLOCK (HEIGHT) = 25mm
LOCK BEFORE LIFT (HEIGHT) = 20mm

1	2	Main Body	DWG002	AISI 8630 80ksi	1541
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By:	Date:
		Part Name / Part Description Main Body		FØ, JN	20.05.19
				Sheet:	Scale:
				A3 - 1 of 3	1:9
				Part No / ID No:	Revision:
				-	A



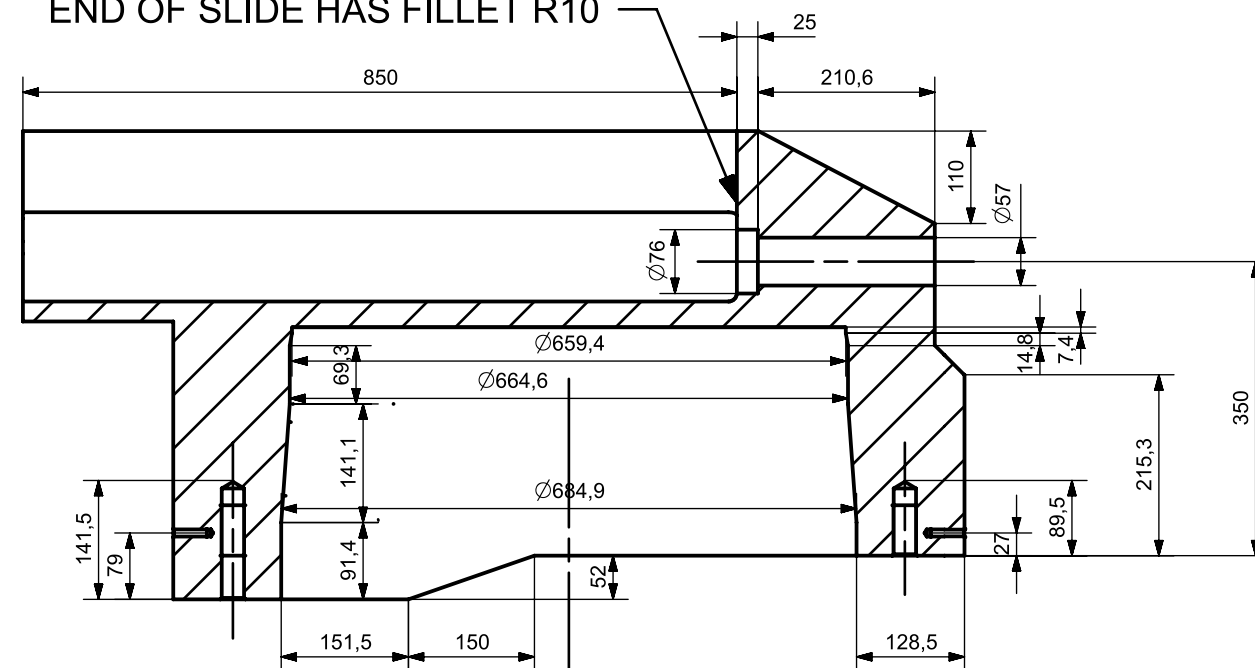
SECTION C-C



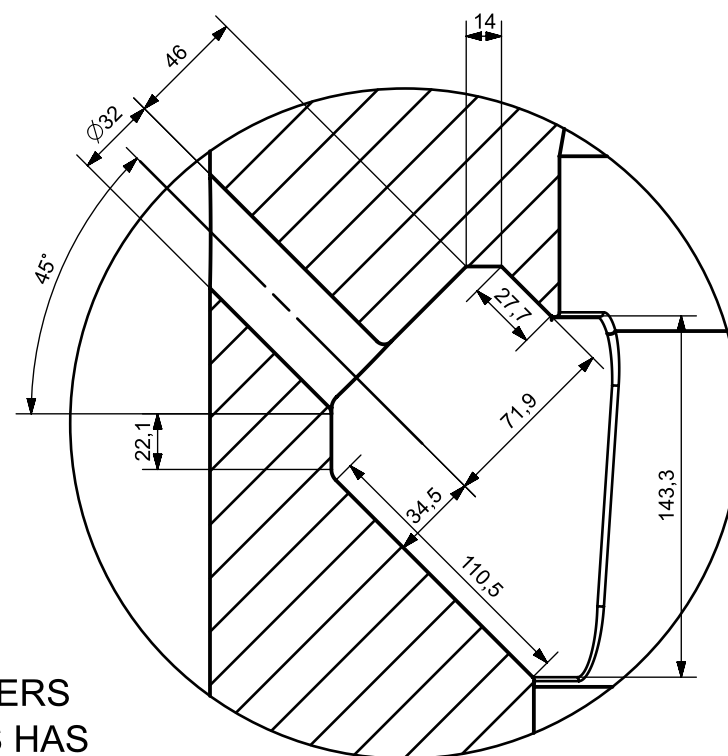
SECTION F-F

ALL FOUR MAIN CORNERS
IN ALL SIX DOG HOLES HAS
FILLET RADIUS 20MM

END OF SLIDE HAS FILLET R10



SECTION B-B



DEBURR INTERNAL CONRNNERS
FILLET RADIUS 3,0
SLOT ANGLE 45°

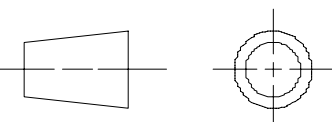
DETAIL J
SCALE 1:3

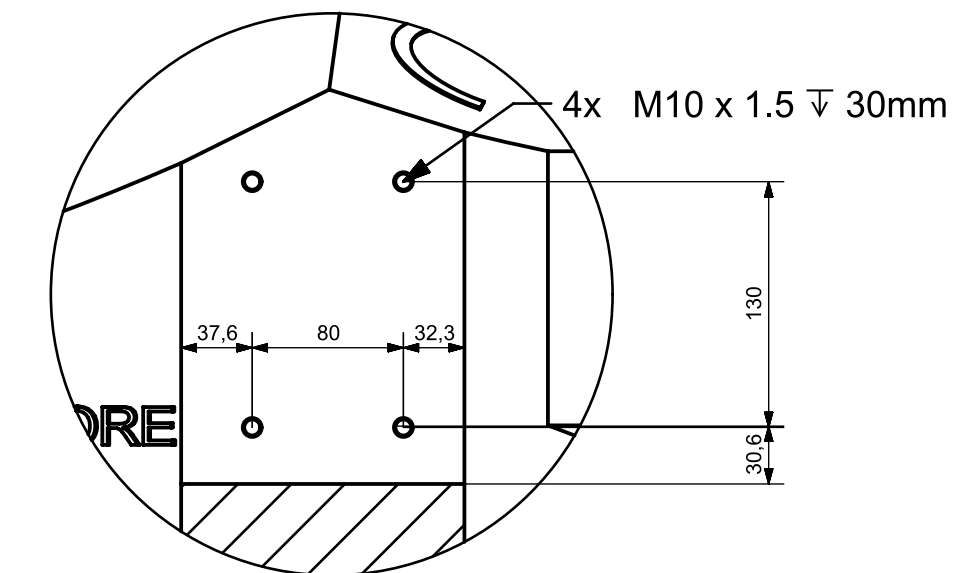
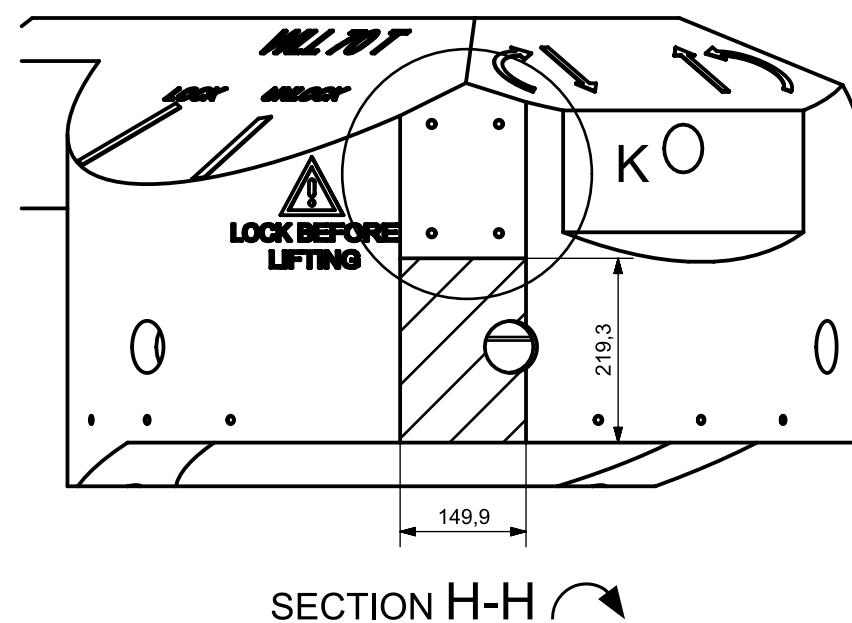
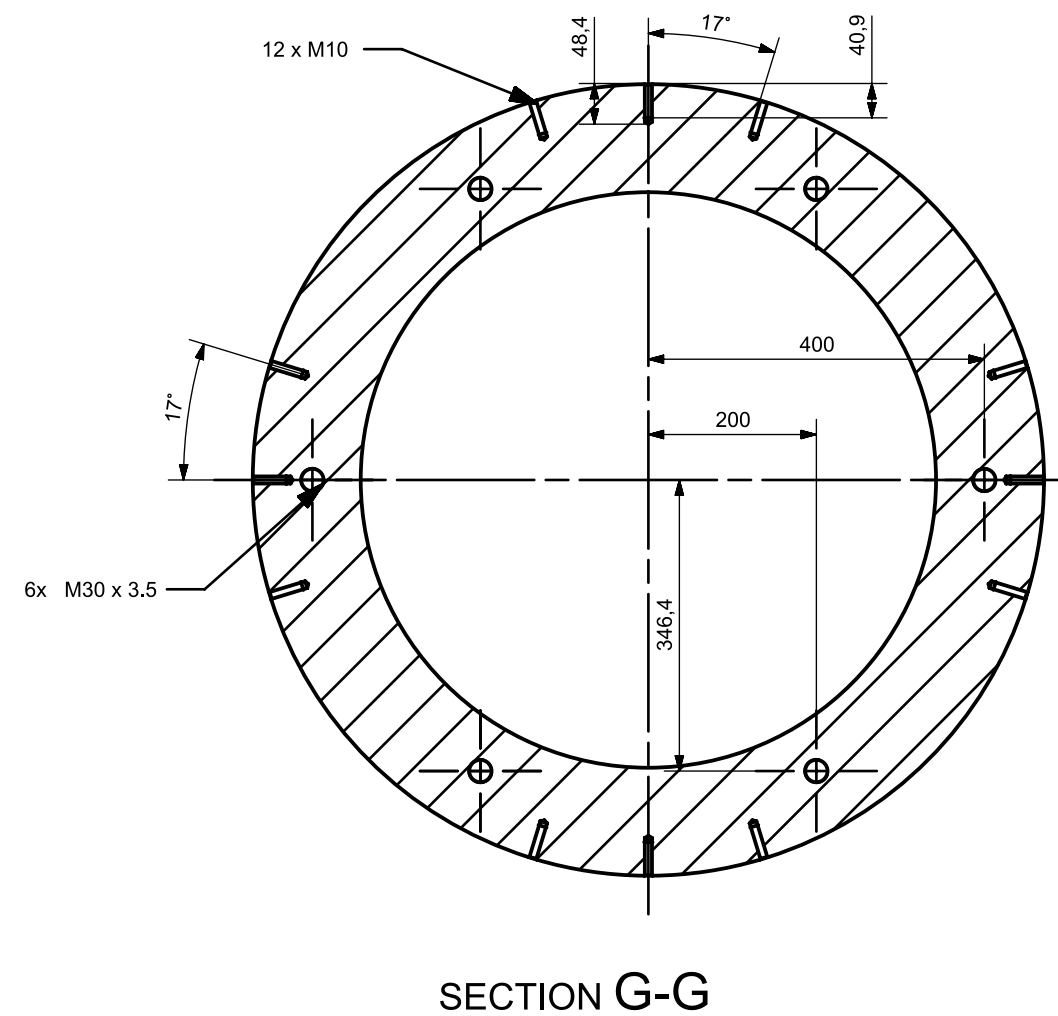
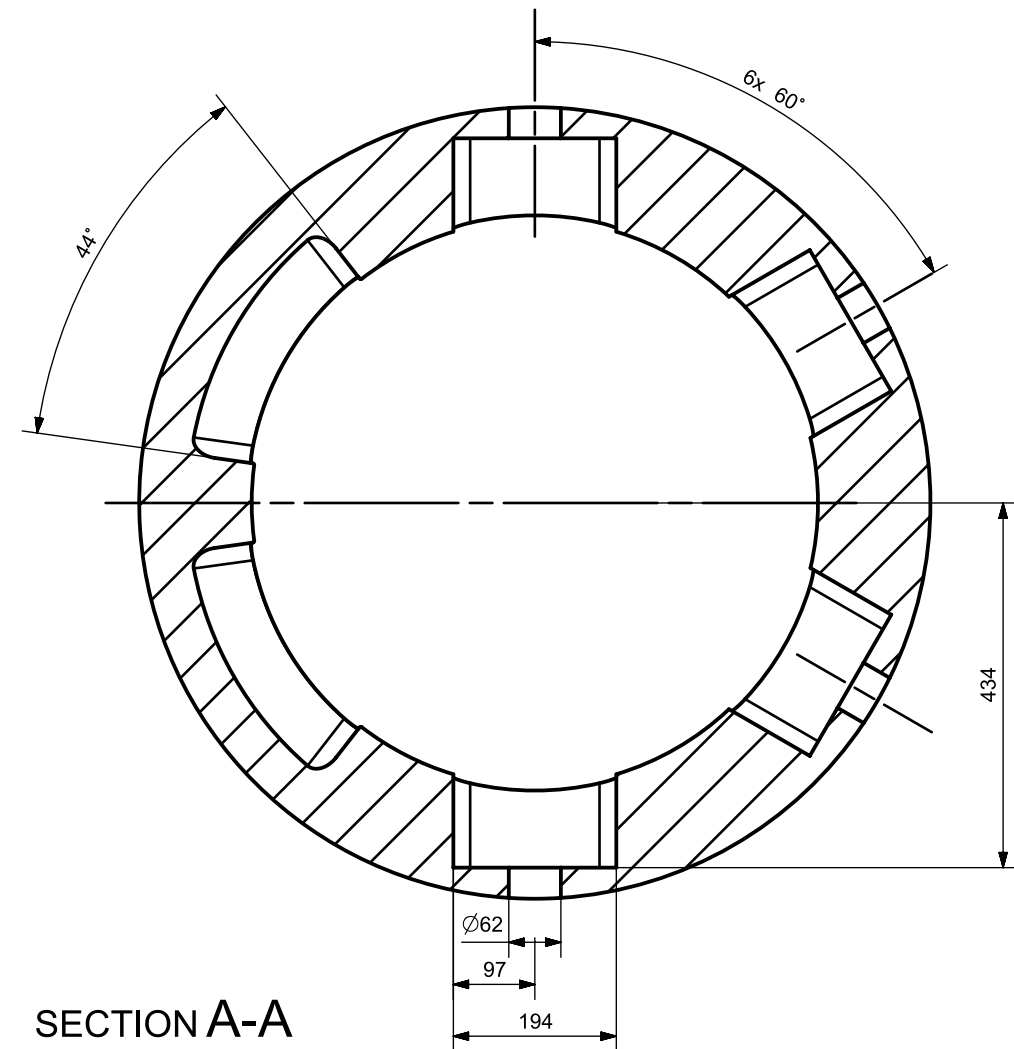
NTNU
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6009 Aalesund
Norway

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Part Name / Part Description
Main Body

Drawn By:	FØ, JN	Date:	20.05.19
Sheet:	A3 - 2 of 3	Scale:	1:9
Part No / ID No:	-	Revision:	A





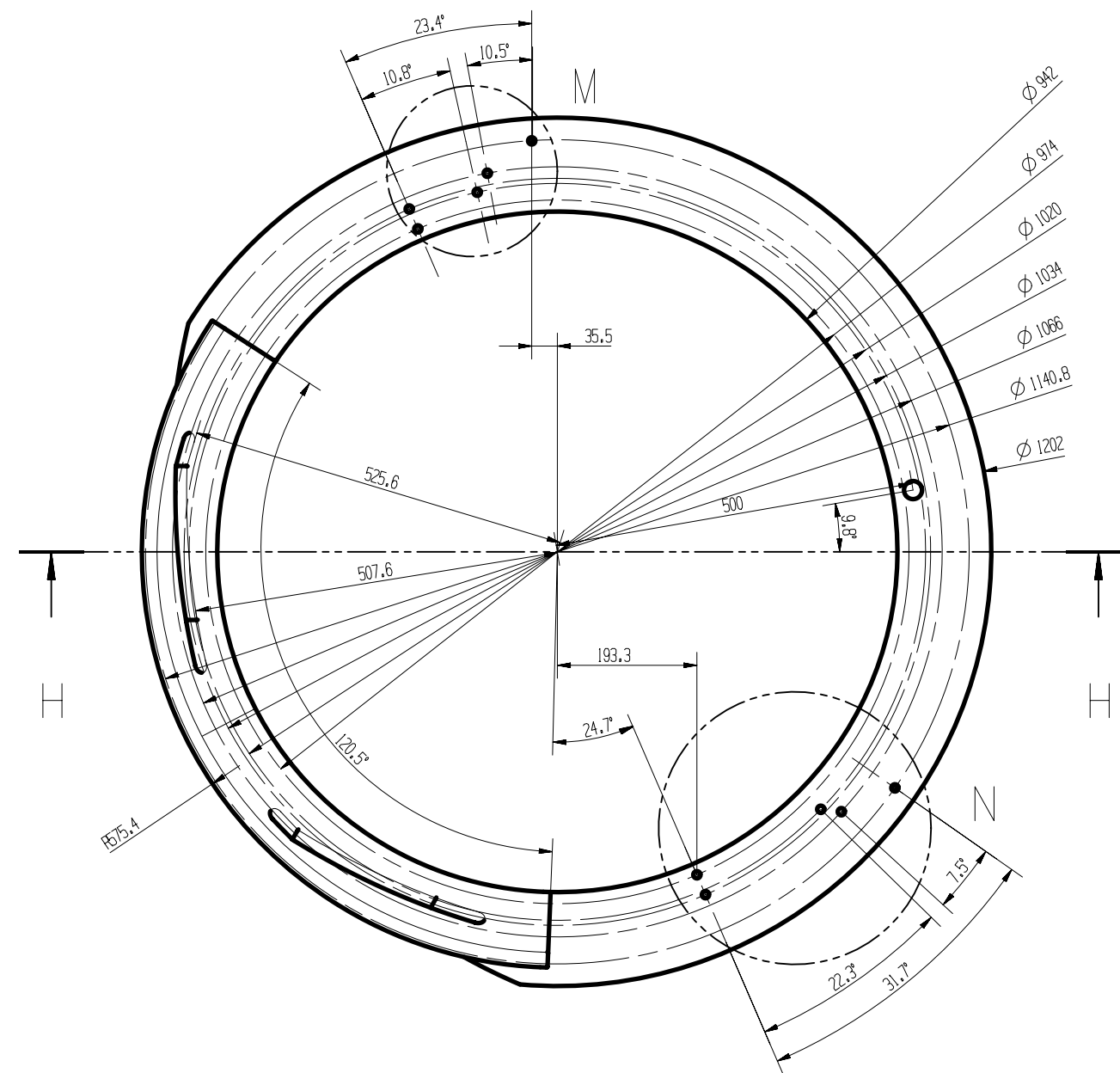
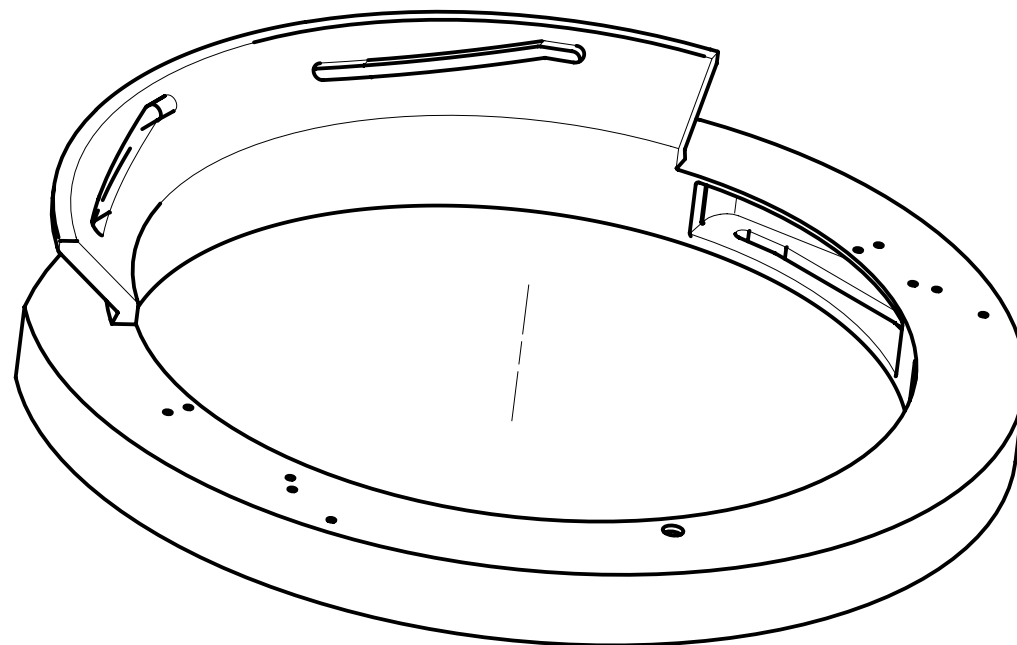
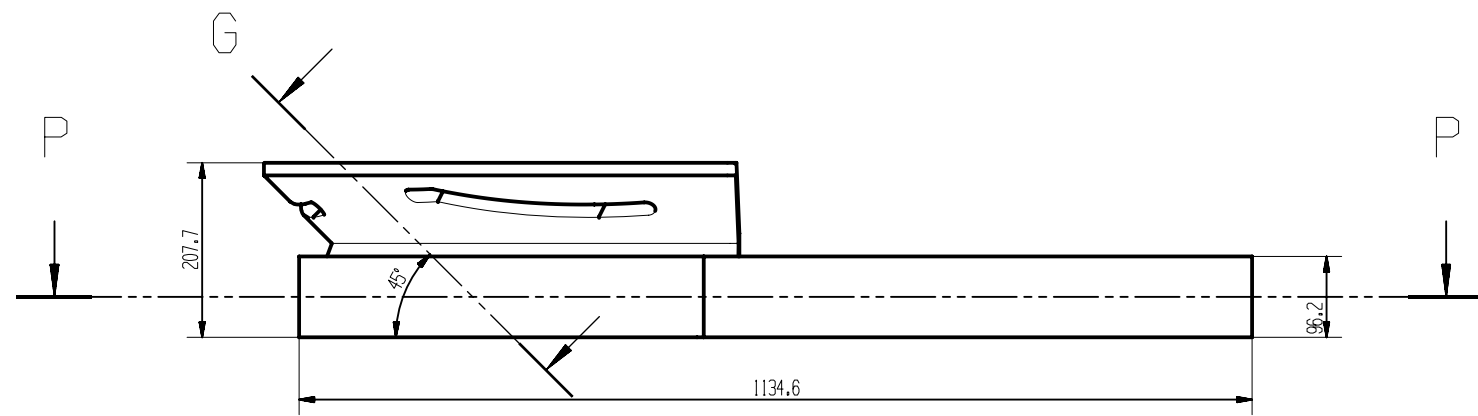
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6009 Aalesund
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Part Name / Part Description
Main Body


Drawn By:	FØ, JN	Date:	20.05.19
Sheet:	A3 - 3 of 3	Scale:	1:9
Part No / ID No:	-	Revision:	A

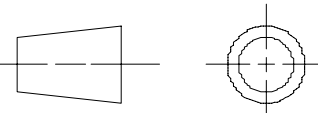
A3

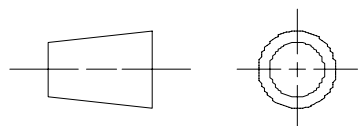



NOTES:

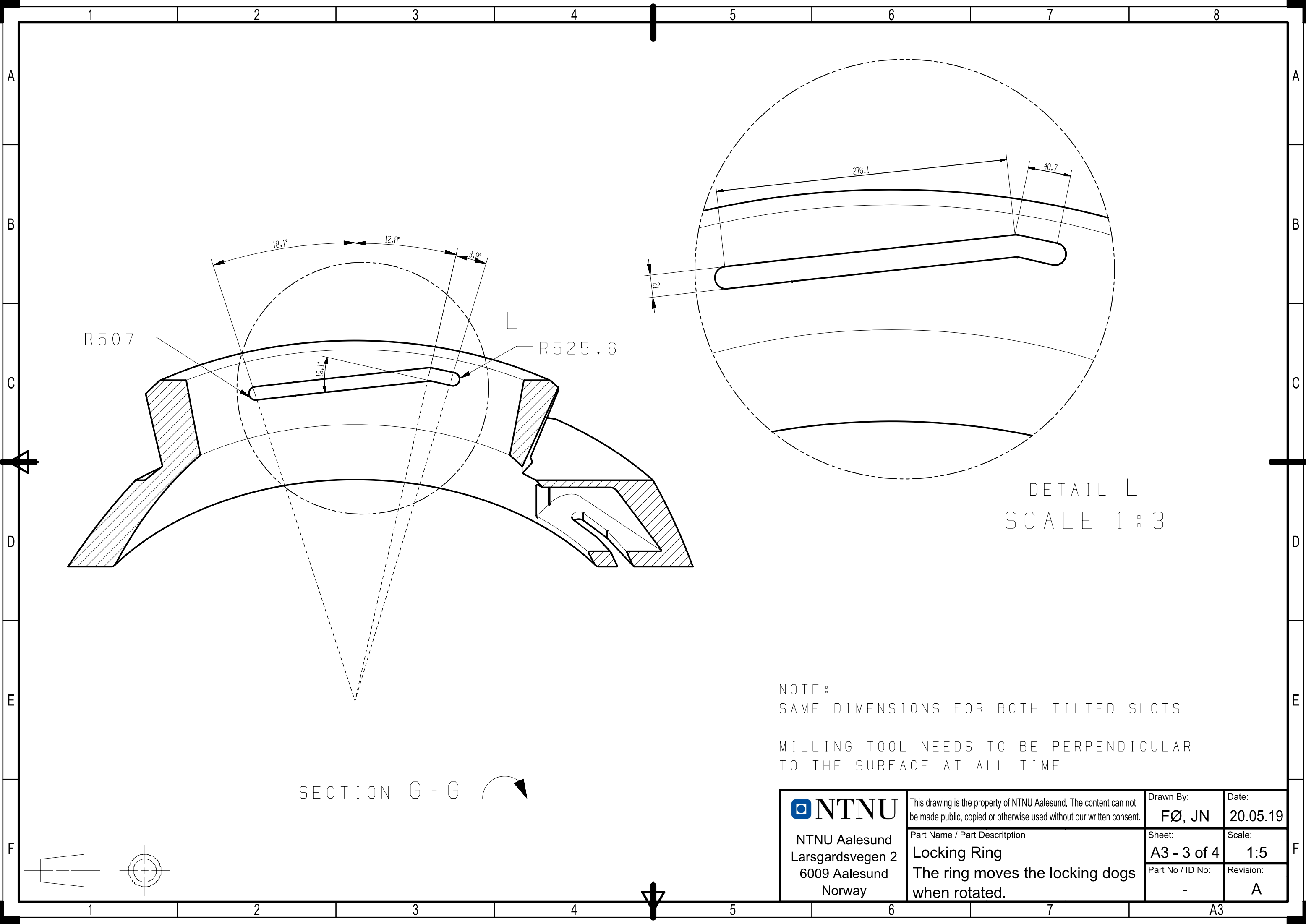
1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.

1	4	Locking ring	DWG003	AISI 8630 80ksi	206
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: FØ, JN	Date: 20.05.19
		Part Name / Part Description Locking Ring The ring moves the locking dogs when rotated.		Sheet: A3 - 1 of 4	Scale: 1:9
				Part No / ID No: -	Revision: A





 NTNU NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway	This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: FØ, JN	Date: 20.05.19
	Part Name / Part Description Locking Ring The ring moves the locking dogs when rotated.		Sheet: A3 - 2 of 4	Scale: 1:9
			Part No / ID No: -	Revision: A

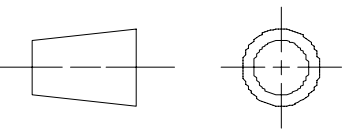



DETAIL L
SCALE 1 : 3

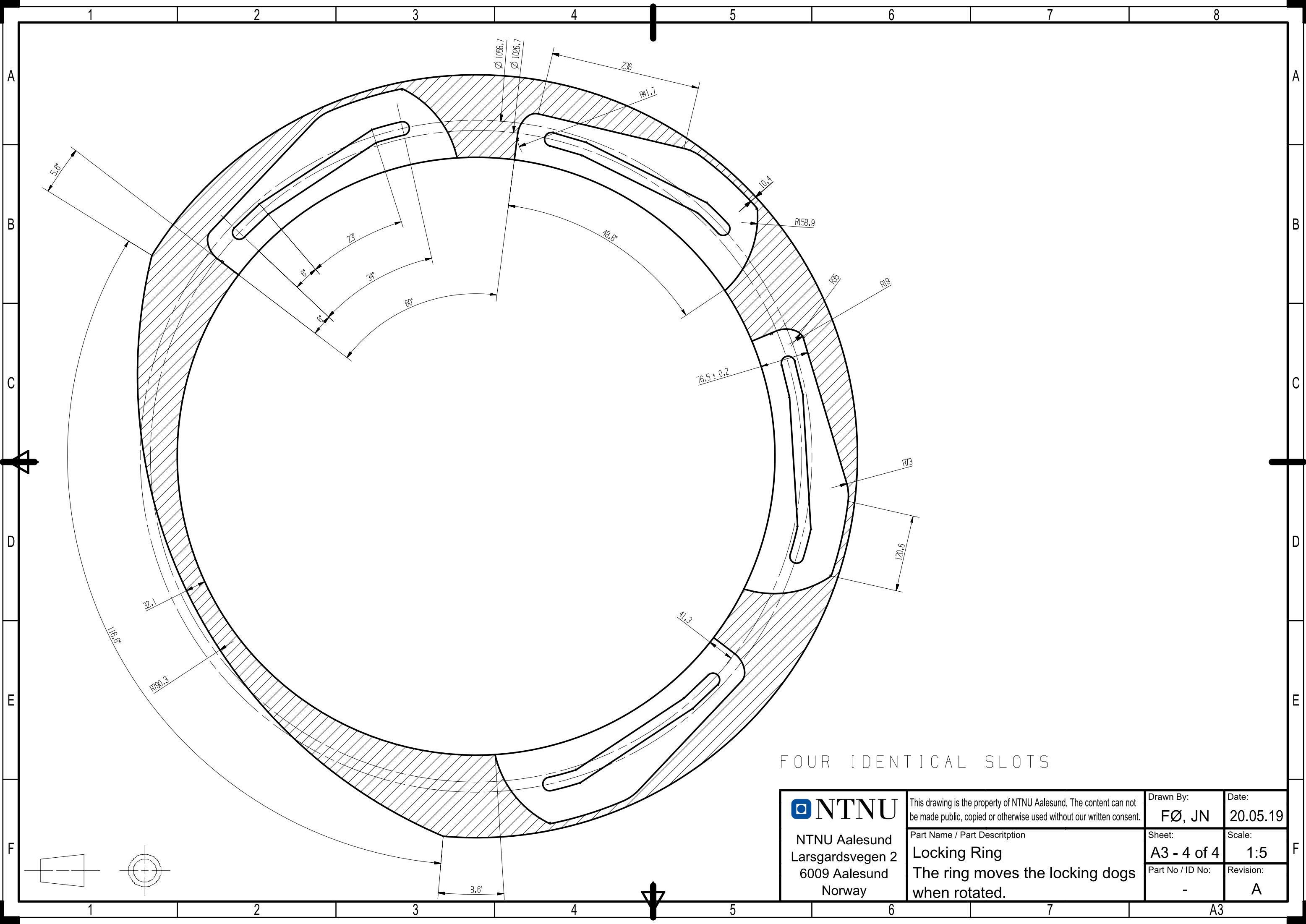
NOTE :
SAME DIMENSIONS FOR BOTH TILTED SLOTS

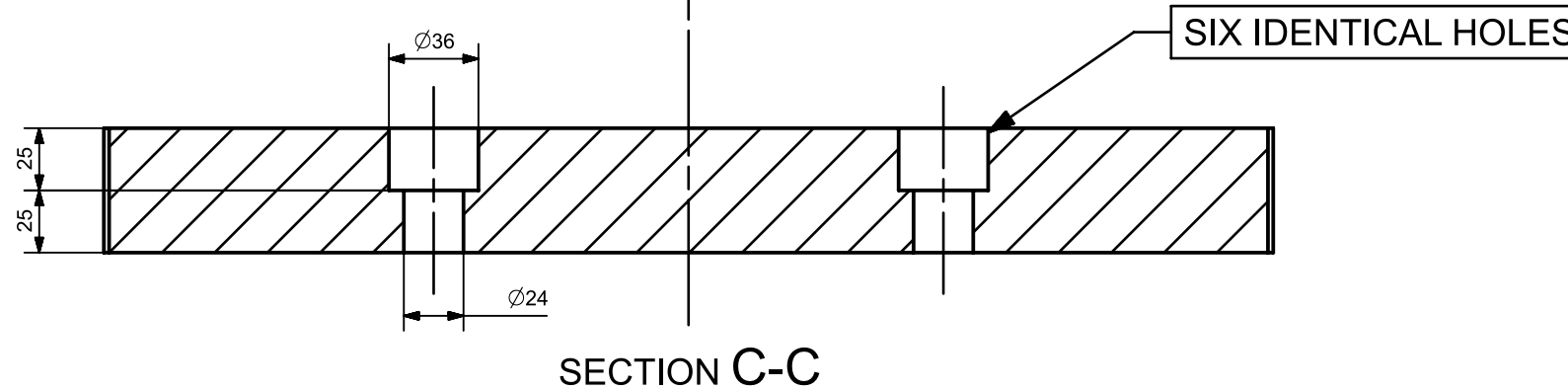
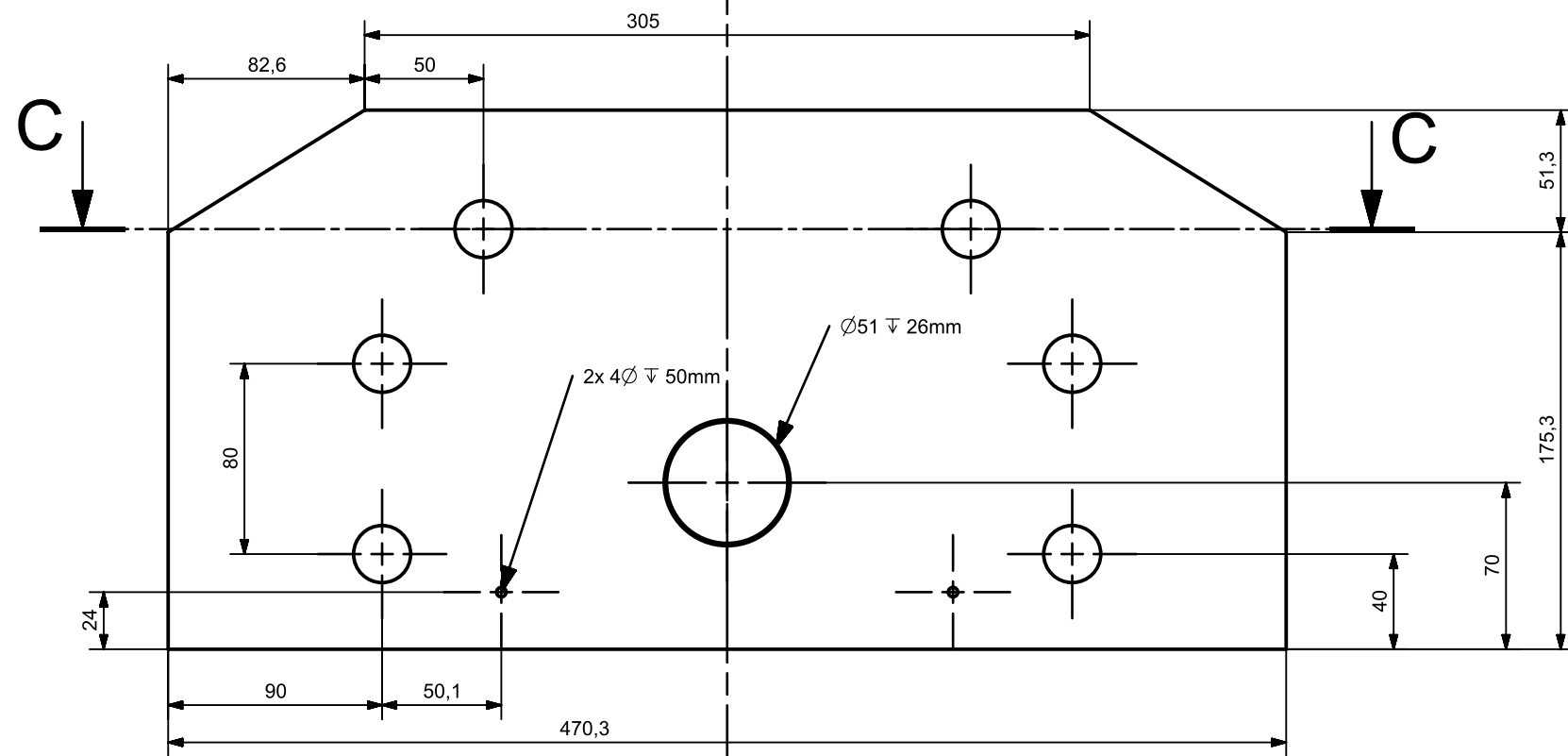
MILLING TOOL NEEDS TO BE PERPENDICULAR
TO THE SURFACE AT ALL TIME

SECTION G - G




 NTNU NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway	This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.	Drawn By: FØ, JN	Date: 20.05.19
	Part Name / Part Description Locking Ring	Sheet: A3 - 3 of 4	Scale: 1:5
	The ring moves the locking dogs when rotated.	Part No / ID No: -	Revision: A



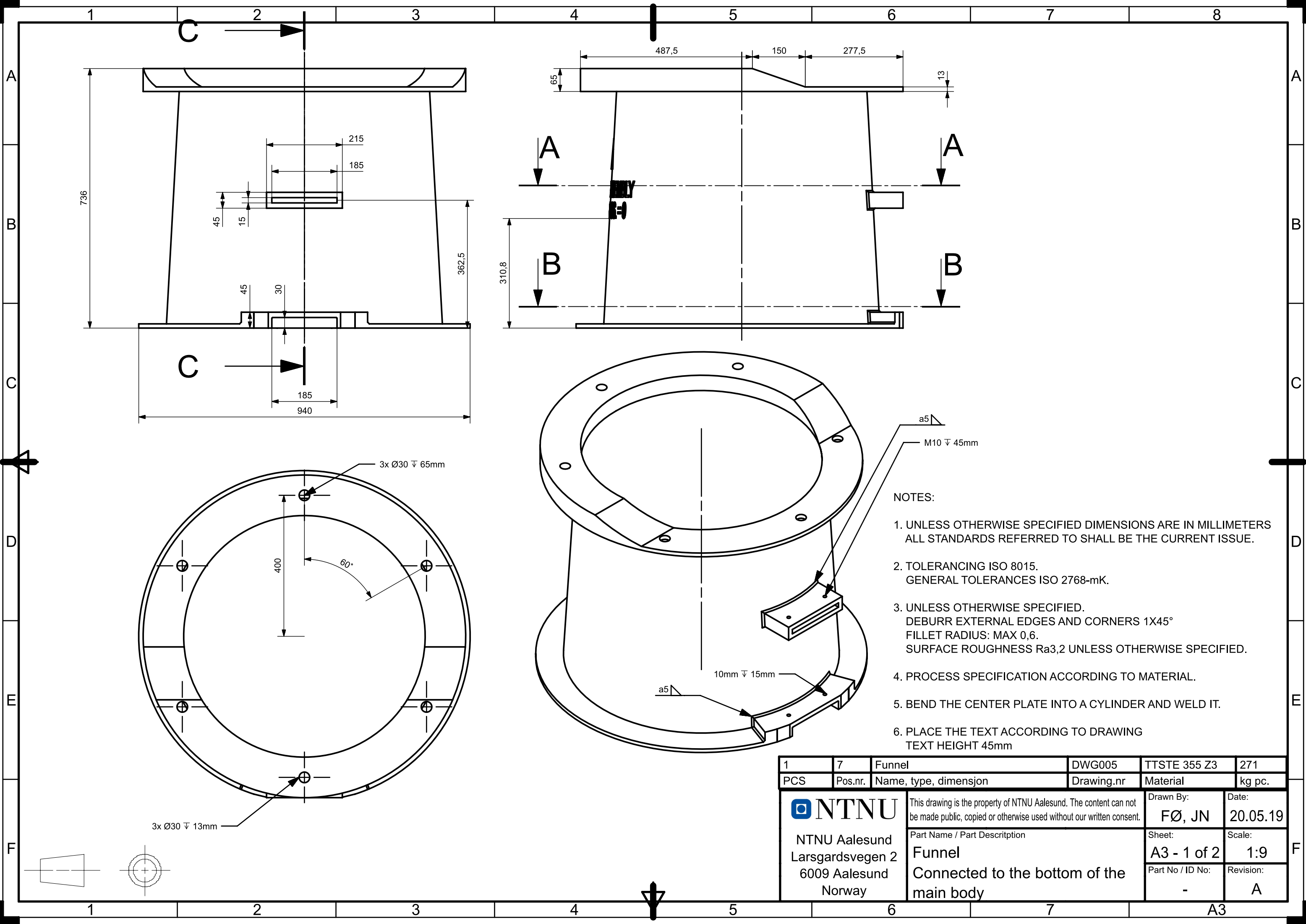


NOTES:


1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.

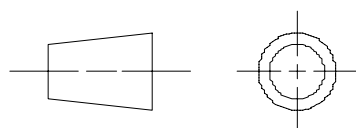
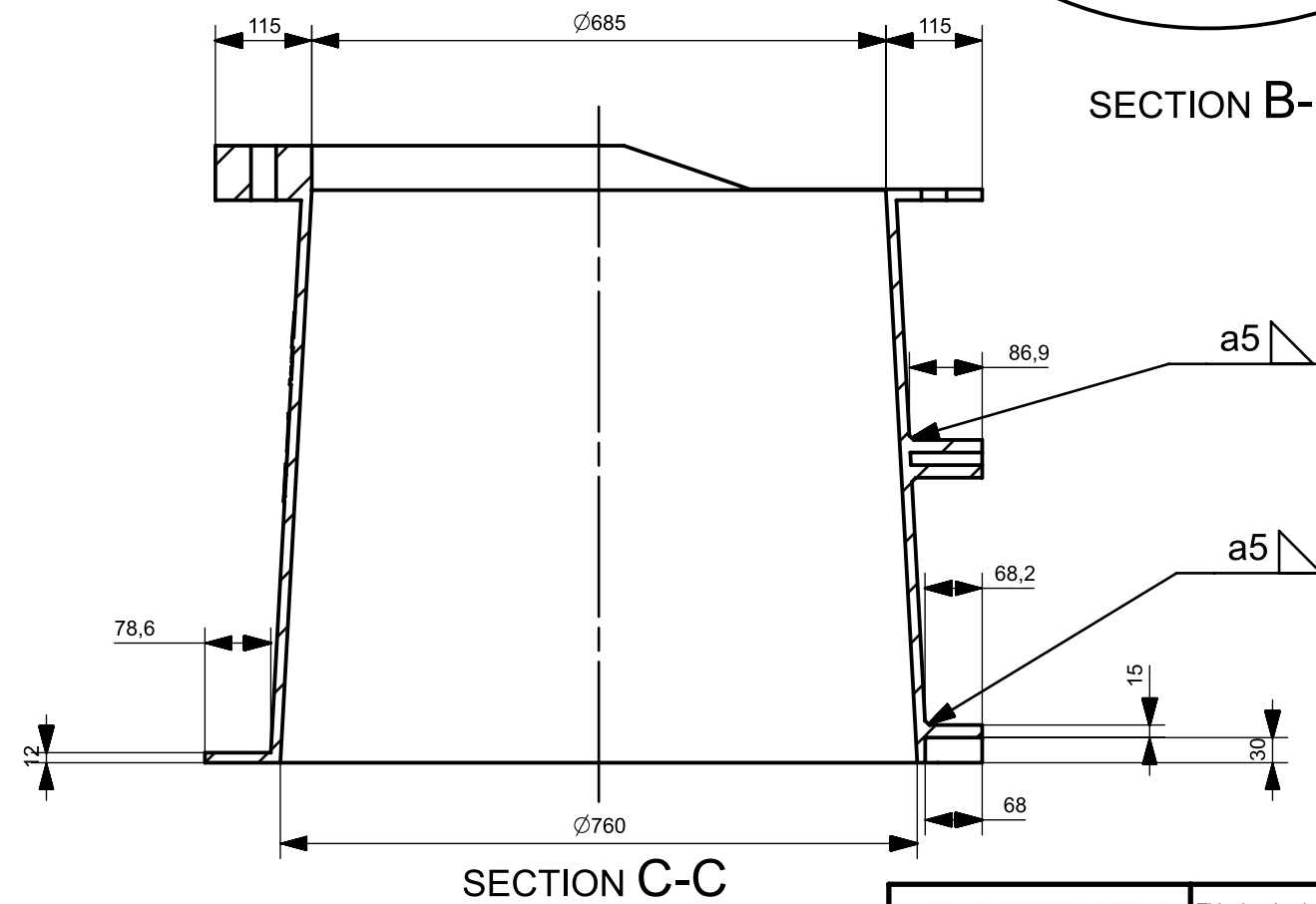
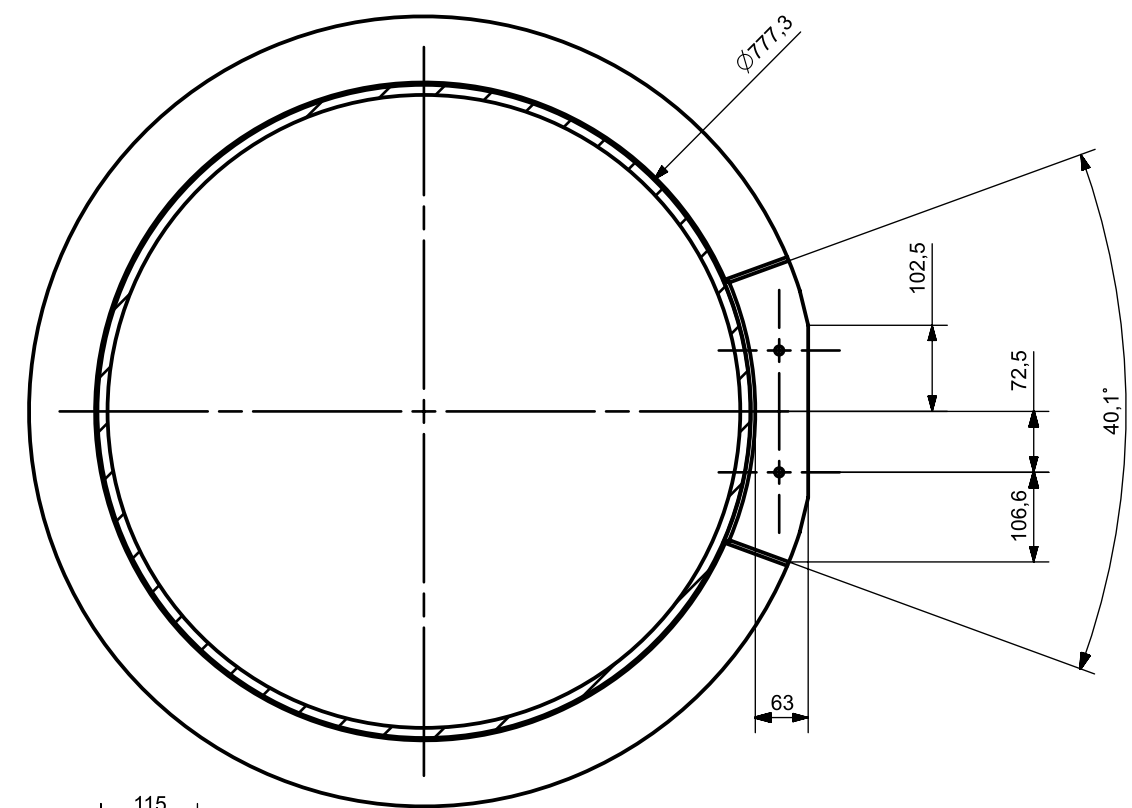
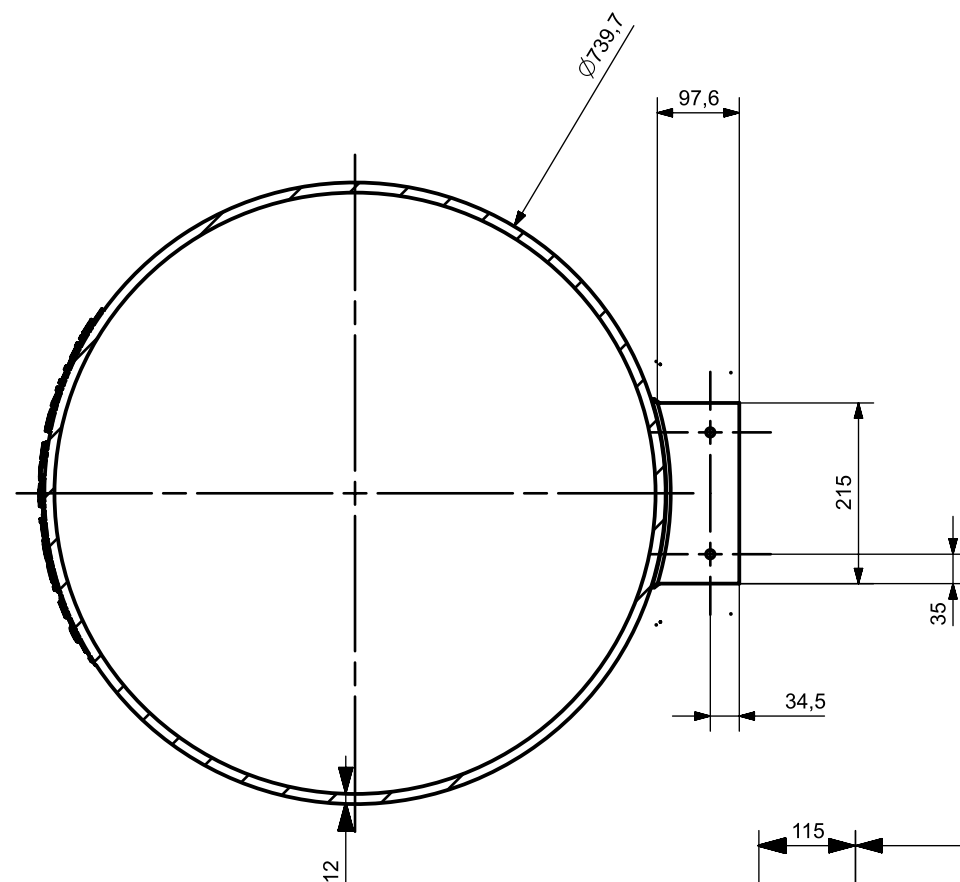
1	5	Endcap	DWG004	AISI 8630 80ksi	38
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By:	Date:
				FØ, JN	20.05.19
				Sheet:	Scale:
Endcap		Holds the screw in place.		A3 - 1 of 1	1:3
				Part No / ID No:	Revision:
				-	A

A3



- NOTES:
- 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
 - 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
 - 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
 - 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.
 - 5. BEND THE CENTER PLATE INTO A CYLINDER AND WELD IT.
 - 6. PLACE THE TEXT ACCORDING TO DRAWING
TEXT HEIGHT 45mm

1	7	Funnel	DWG005	TTSTE 355 Z3	271
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent. Part Name / Part Description Funnel Connected to the bottom of the main body	Drawn By: FØ, JN		Date: 20.05.19
			Sheet: A3 - 1 of 2		Scale: 1:9
			Part No / ID No: -		Revision: A



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6009 Aalesund
Norway

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Part Name / Part Description

Funnel	Connected to the bottom of the main body
--------	--

Drawn By:

FØ, JN

Date: _____

20.05.19

Sheet:

A3 - 2 of 2

Scale:

1:9

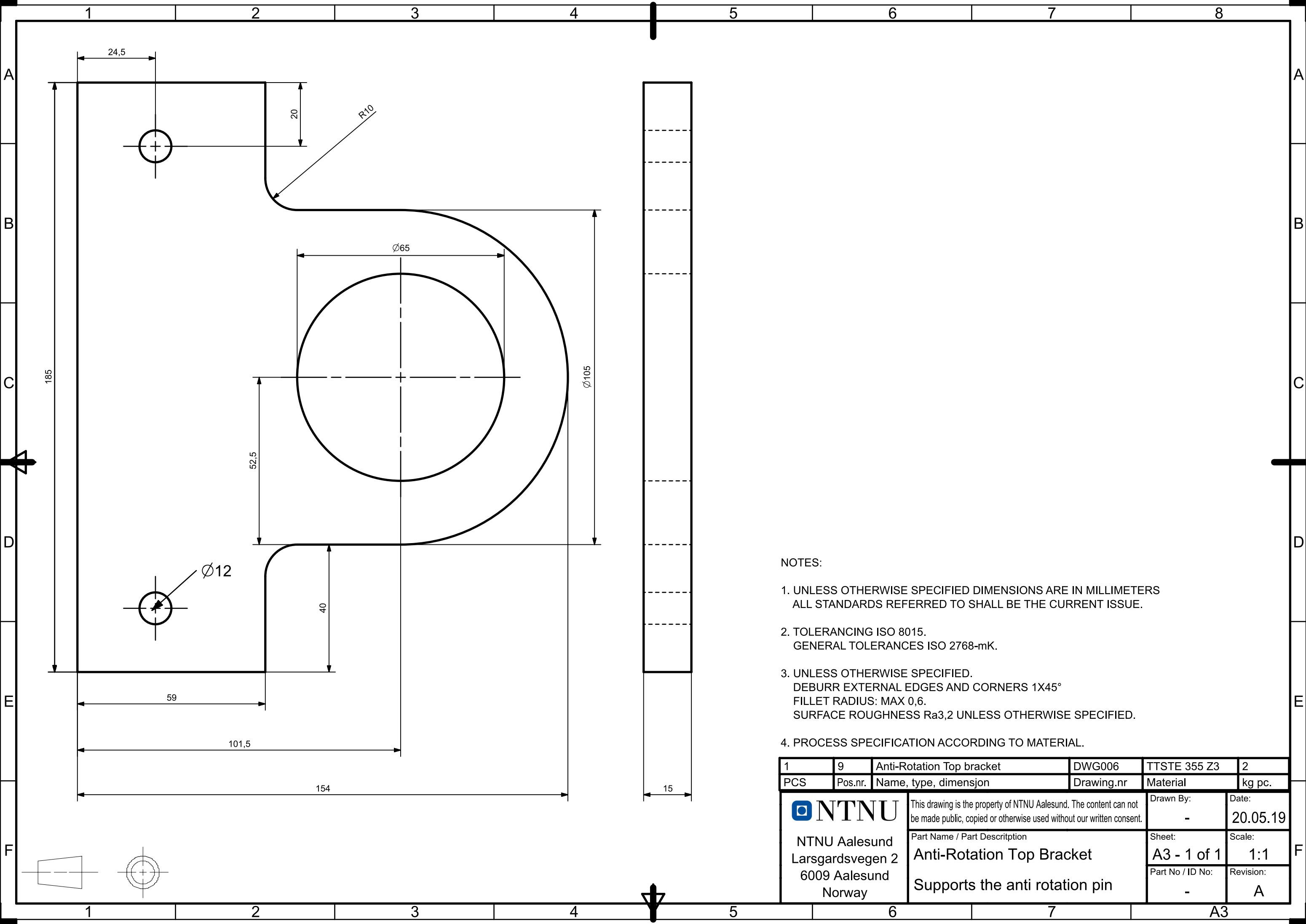
Part No / ID No:

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Revision:

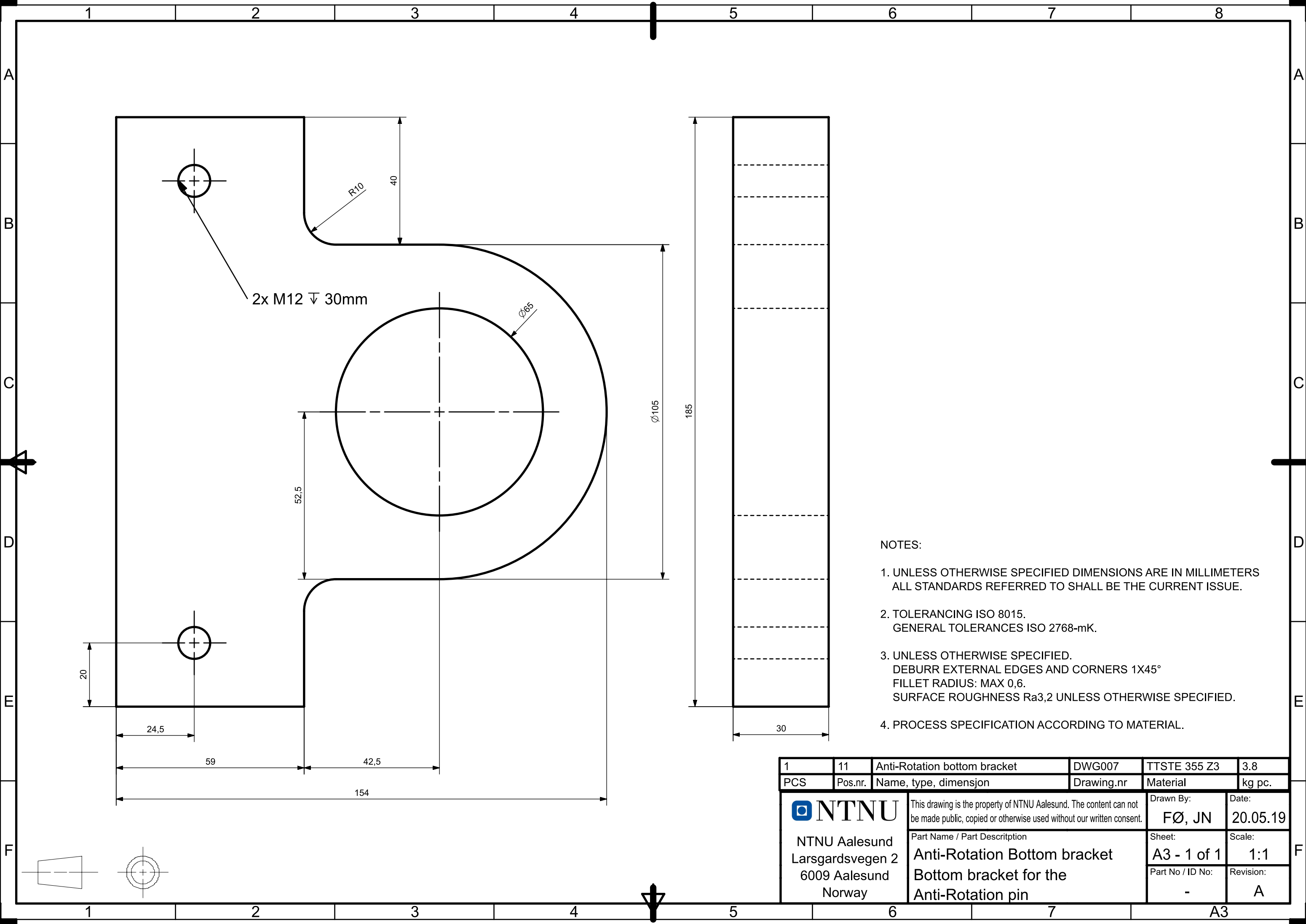
A

A3




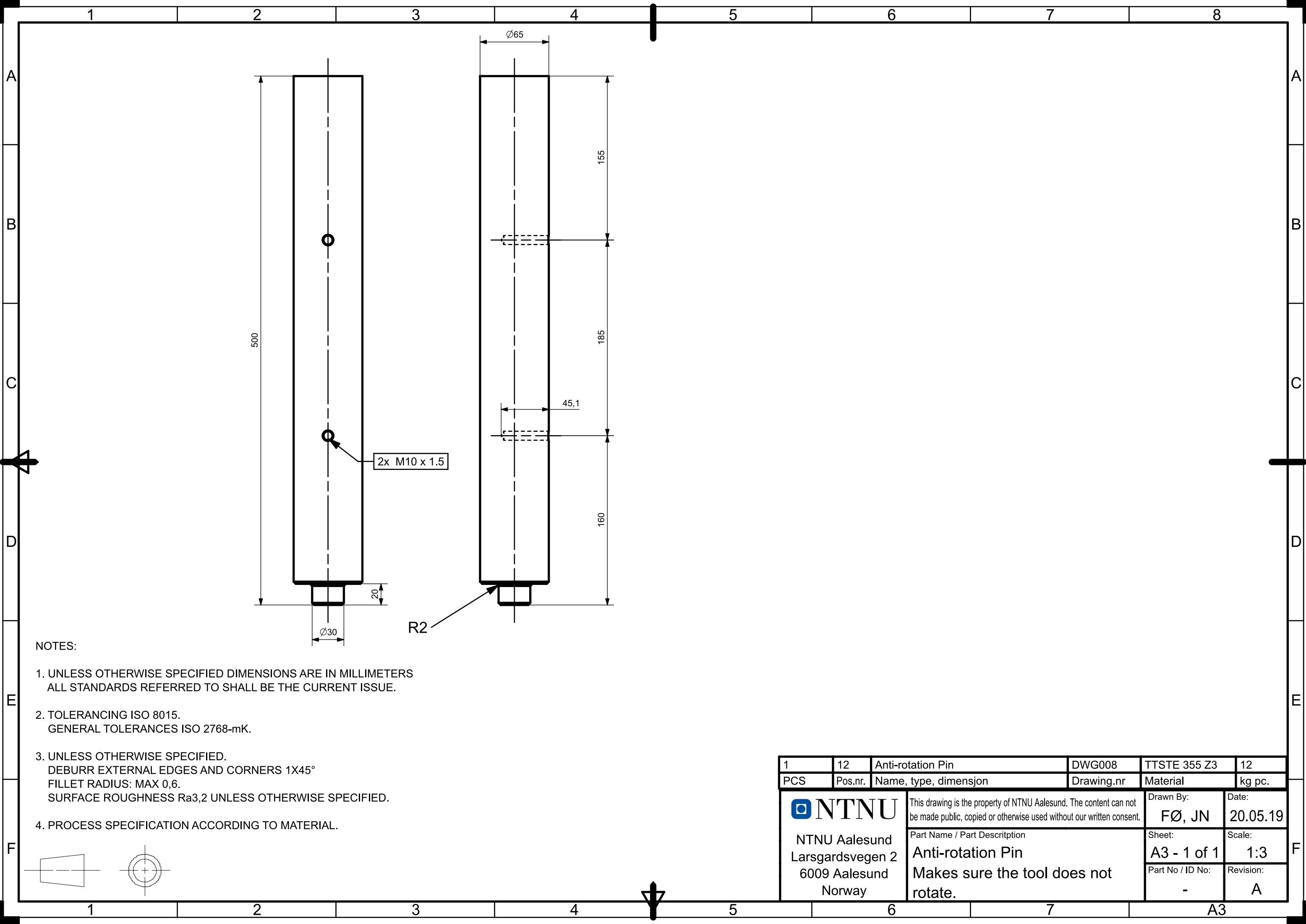
- NOTES:
1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.

1	9	Anti-Rotation Top bracket	DWG006	TTSTE 355 Z3	2
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: -	Date: 20.05.19
		Part Name / Part Description Anti-Rotation Top Bracket		Sheet: A3 - 1 of 1	Scale: 1:1
		Supports the anti rotation pin		Part No / ID No: -	Revision: A

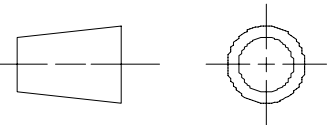



- NOTES:
1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
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 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.

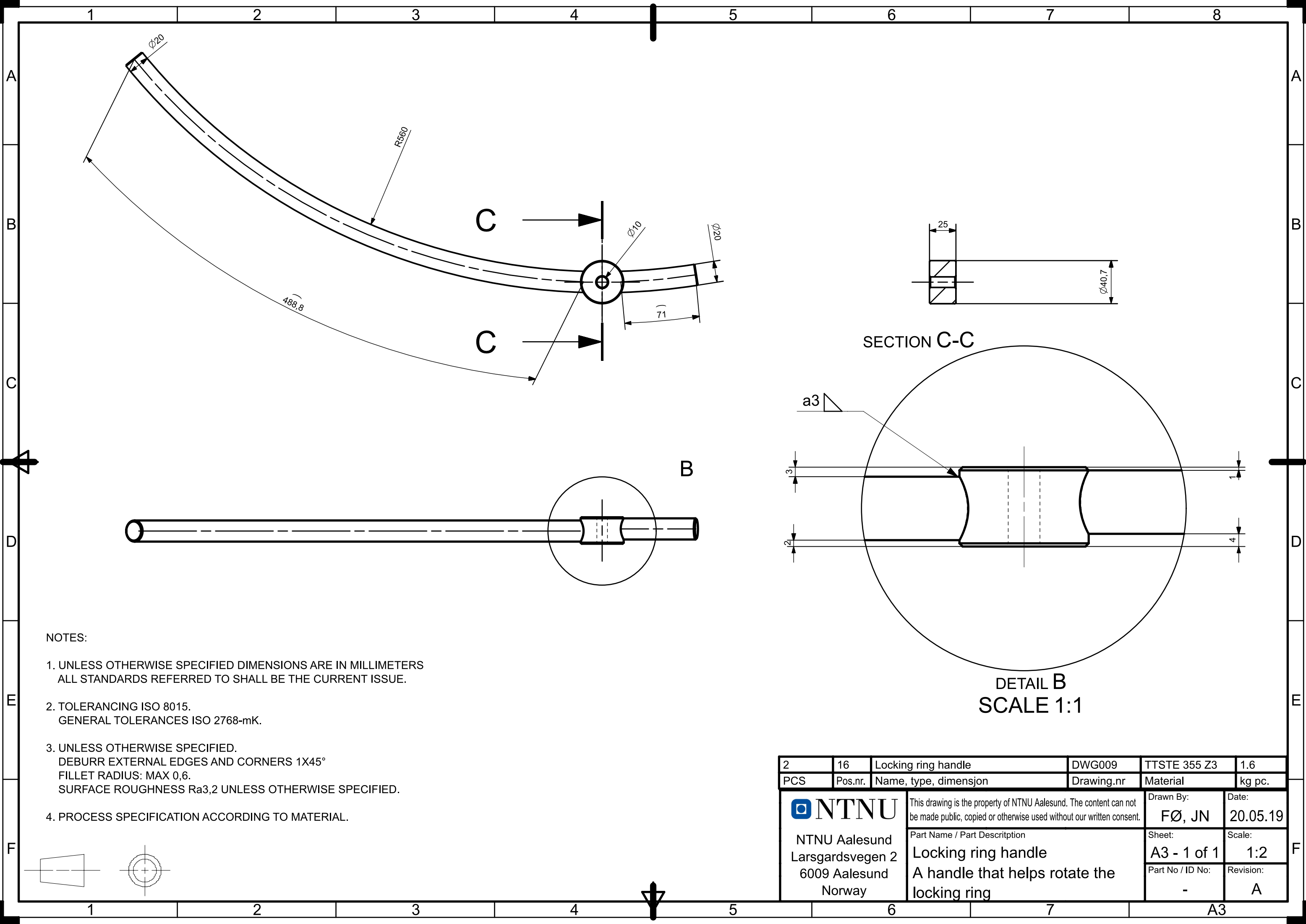
1	11	Anti-Rotation bottom bracket	DWG007	TTSTE 355 Z3	3.8
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: FØ, JN	Date: 20.05.19
		Part Name / Part Description Anti-Rotation Bottom bracket Bottom bracket for the Anti-Rotation pin		Sheet: A3 - 1 of 1	Scale: 1:1
				Part No / ID No: -	Revision: A



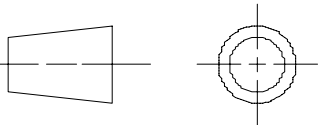
- NOTES:
- 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
 - 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
 - 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
 - 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.




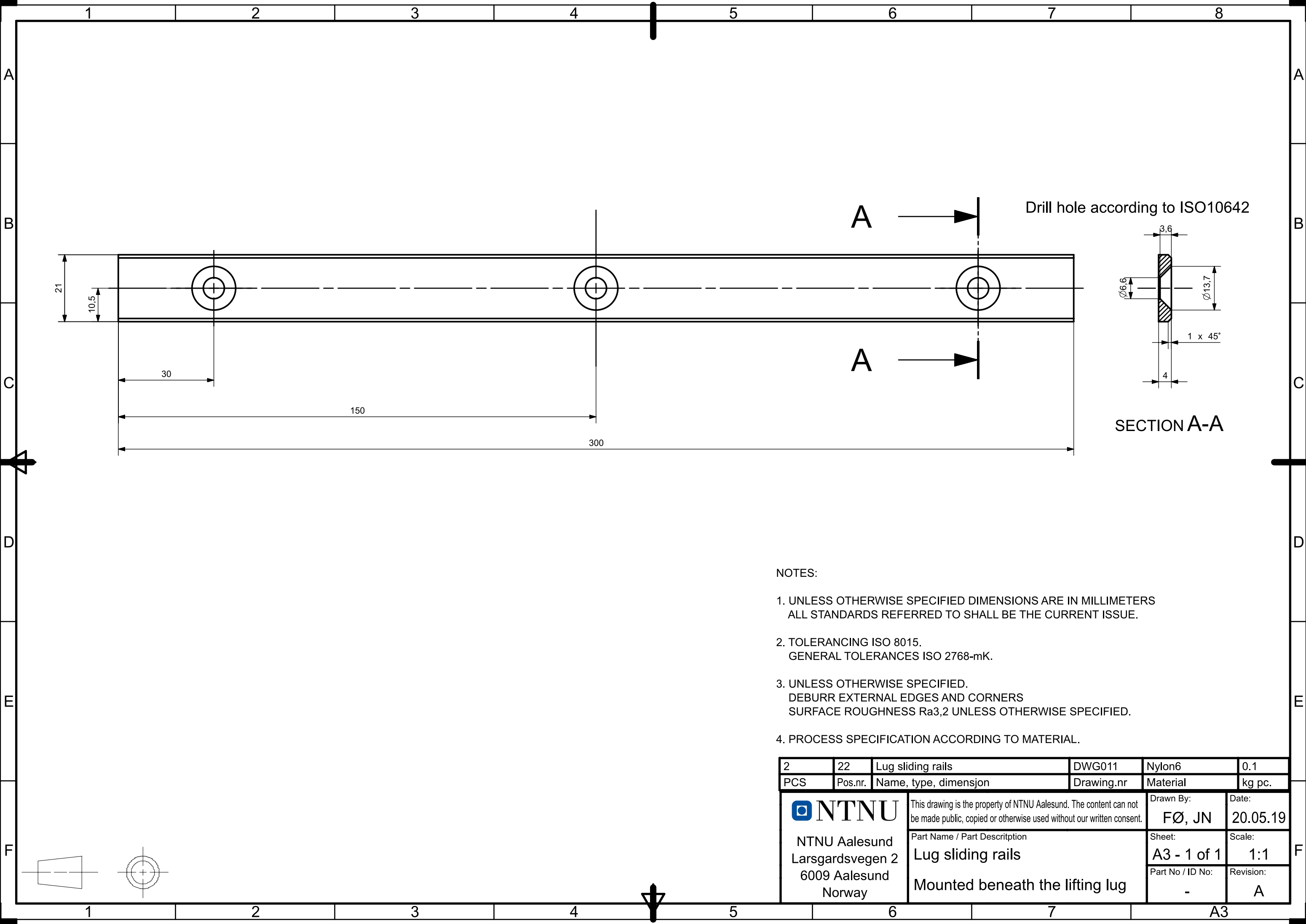
1	12	Anti-rotation Pin	DWG008	TTSTE 355 Z3	12
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: FØ, JN	Date: 20.05.19
		Part Name / Part Description Anti-rotation Pin Makes sure the tool does not rotate.		Sheet: A3 - 1 of 1	Scale: 1:3
				Part No / ID No: -	Revision: A



- NOTES:
1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.




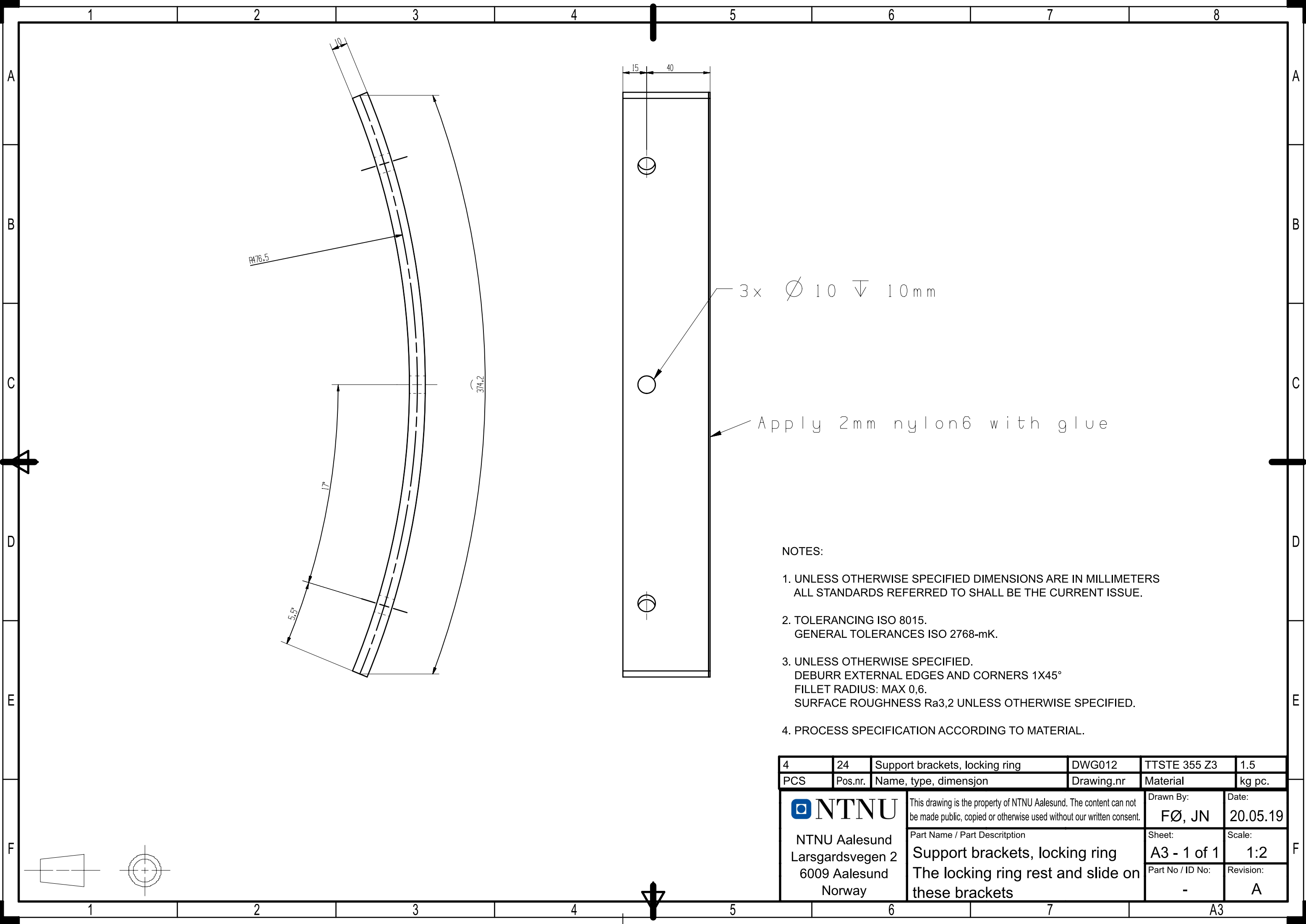
2	16	Locking ring handle	DWG009	TTSTE 355 Z3	1.6
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By:	Date:
		Part Name / Part Description Locking ring handle A handle that helps rotate the locking ring		FØ, JN	20.05.19
				Sheet: A3 - 1 of 1	Scale: 1:2
		Part No / ID No:		Revision:	
		-		A	



NOTES:


- 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
- 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
- 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
- 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.

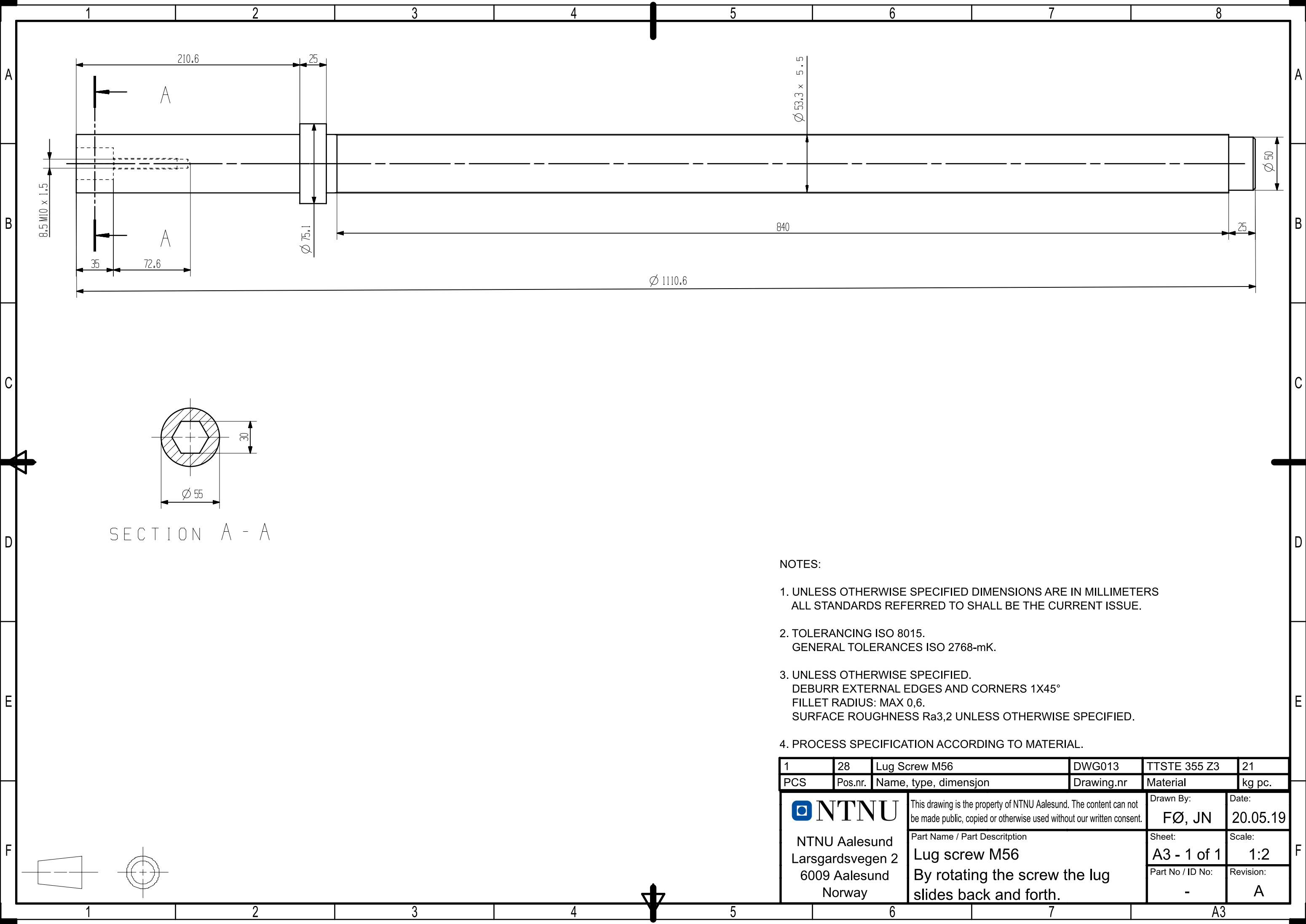
2	22	Lug sliding rails	DWG011	Nylon6	0.1
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By:	Date:
				FØ, JN	20.05.19
				Sheet:	Scale:
		Lug sliding rails Mounted beneath the lifting lug		A3 - 1 of 1	1:1
				Part No / ID No:	Revision:
				-	A



NOTES:

- 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
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- 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
- 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
- 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.


4	24	Support brackets, locking ring	DWG012	TTSTE 355 Z3	1.5
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: FØ, JN	Date: 20.05.19
		Part Name / Part Description Support brackets, locking ring The locking ring rest and slide on these brackets		Sheet: A3 - 1 of 1	Scale: 1:2
				Part No / ID No: -	Revision: A

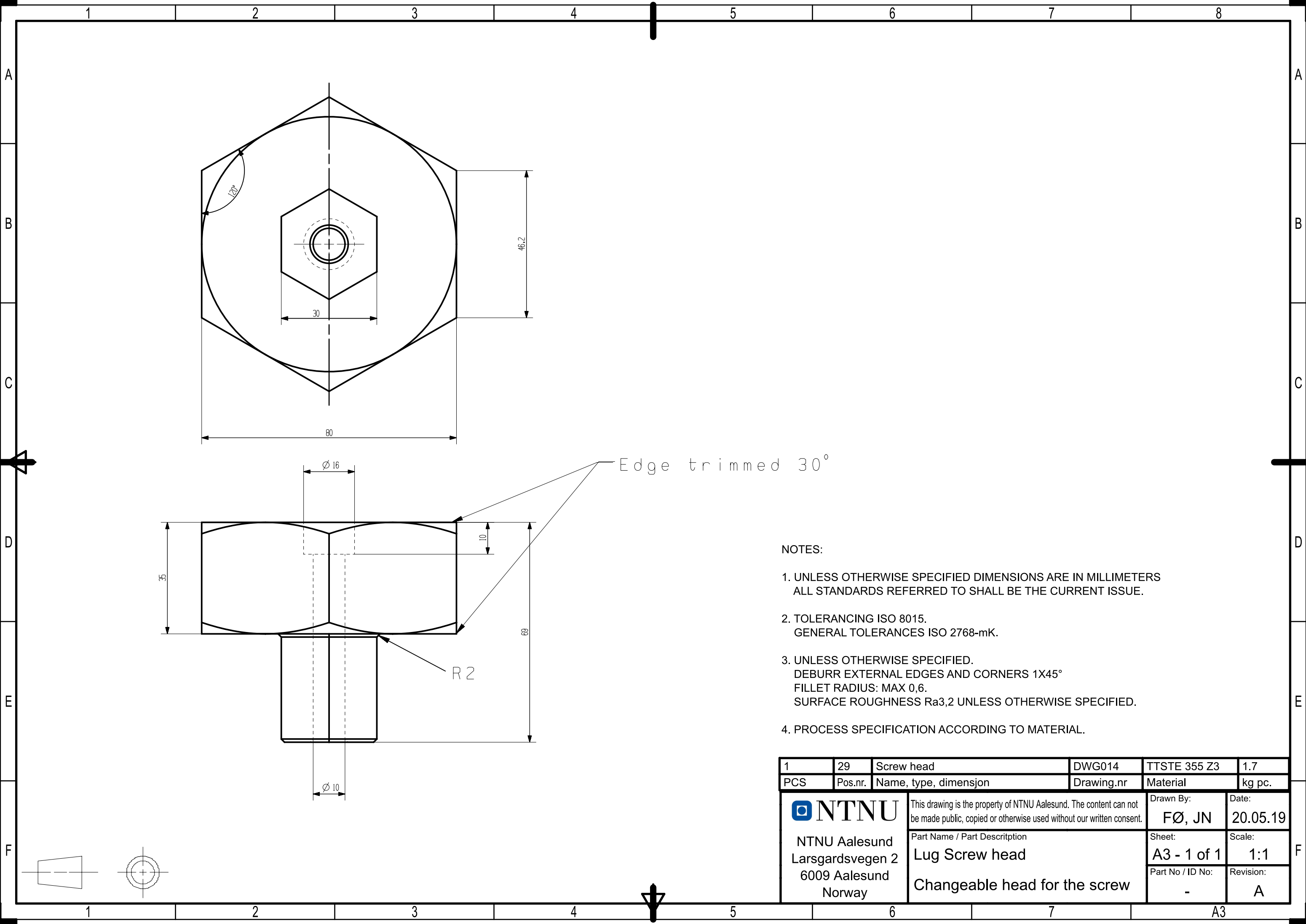


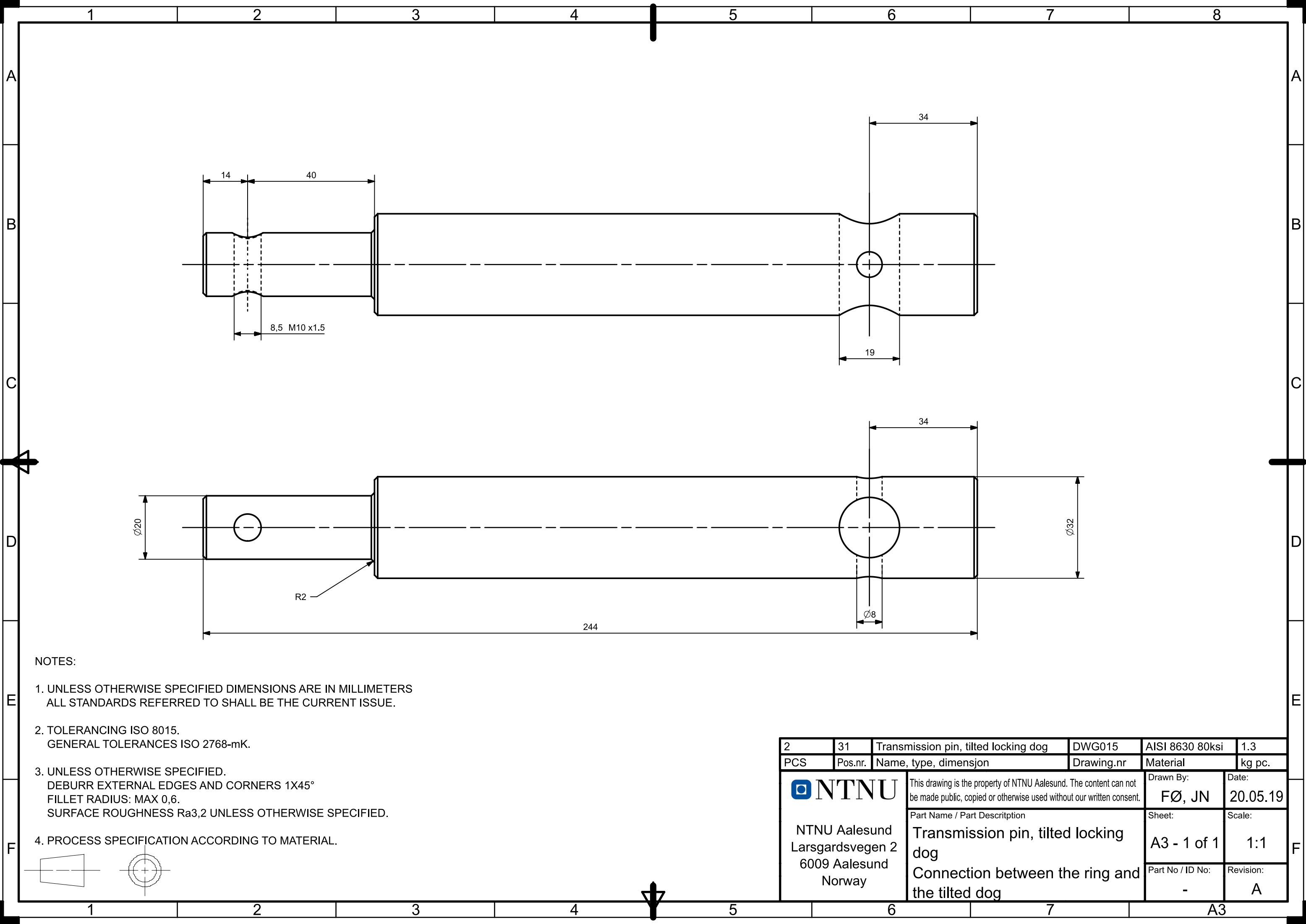
SECTION A - A

NOTES:

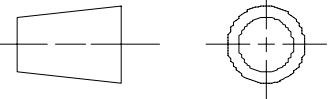
- 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
- 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
- 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
- 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.


1	28	Lug Screw M56	DWG013	TTSTE 355 Z3	21
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: FØ, JN	Date: 20.05.19
		Part Name / Part Description Lug screw M56 By rotating the screw the lug slides back and forth.		Sheet: A3 - 1 of 1	Scale: 1:2
				Part No / ID No: -	Revision: A

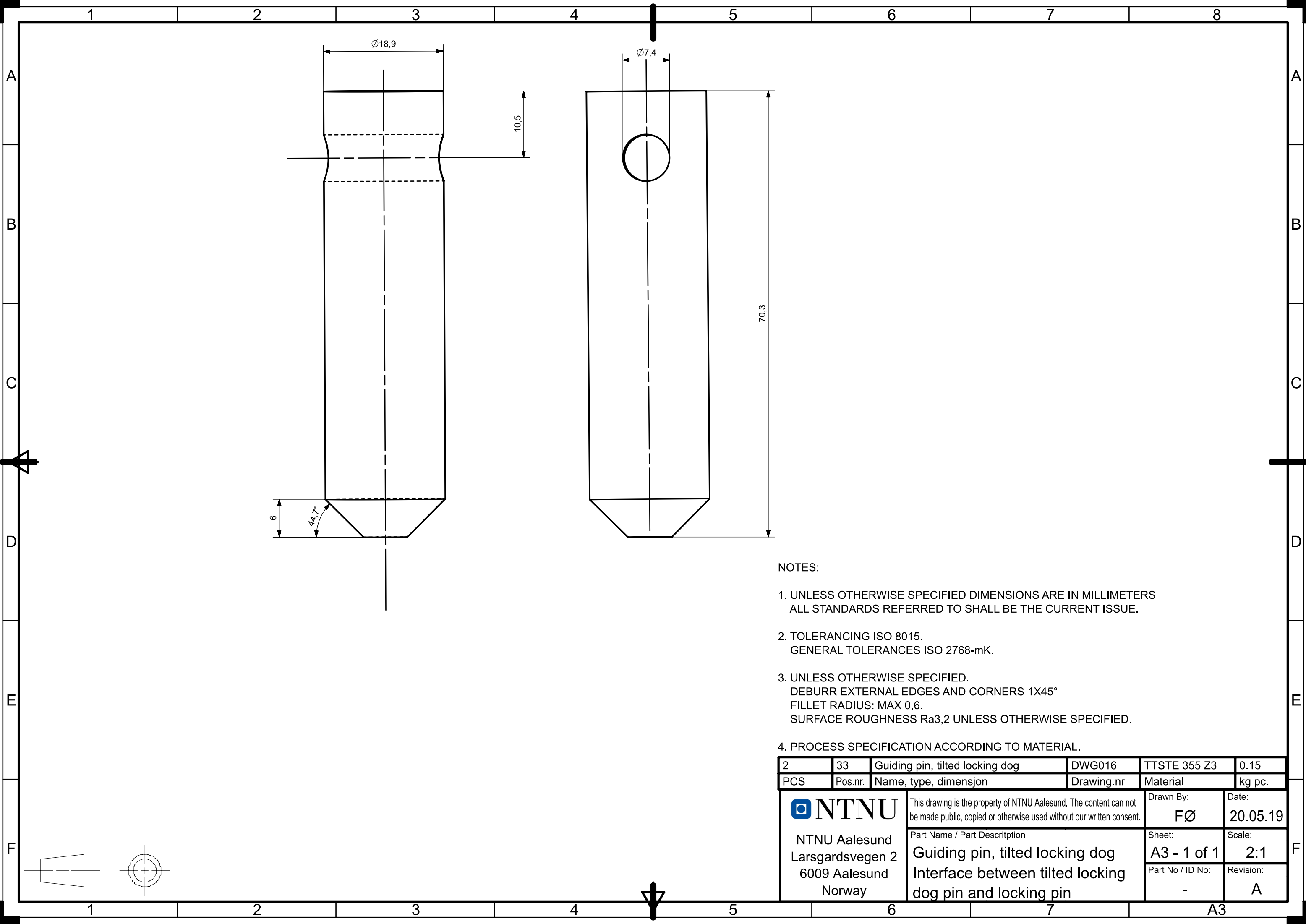




- NOTES:
- 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
 - 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
 - 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
 - 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.




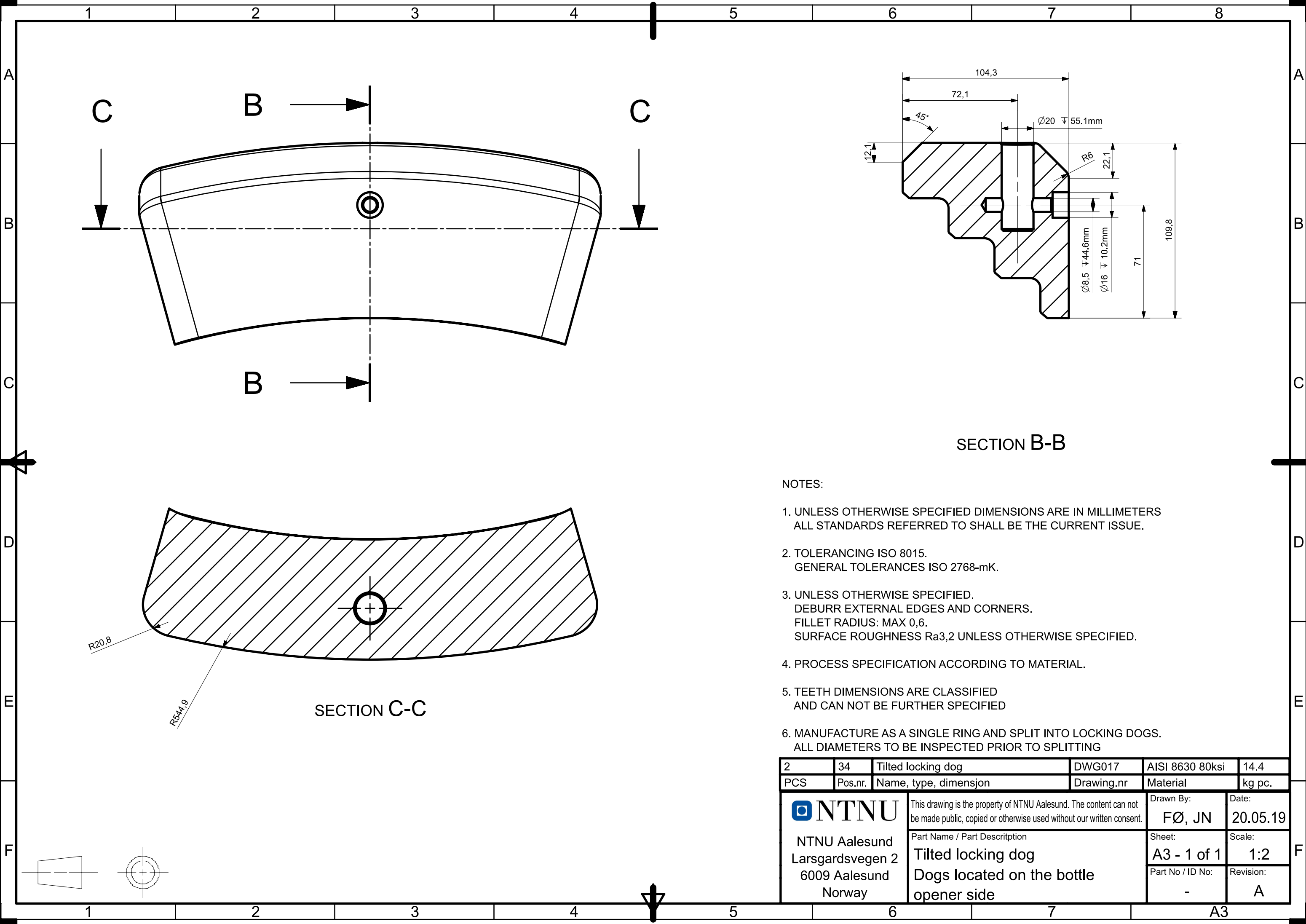
2	31	Transmission pin, tilted locking dog	DWG015	AISI 8630 80ksi	1.3
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.	Drawn By: FØ, JN		Date: 20.05.19
		Part Name / Part Description Transmission pin, tilted locking dog	Sheet: A3 - 1 of 1	Scale: 1:1	
		Connection between the ring and the tilted dog	Part No / ID No: -	Revision: A	




NOTES:

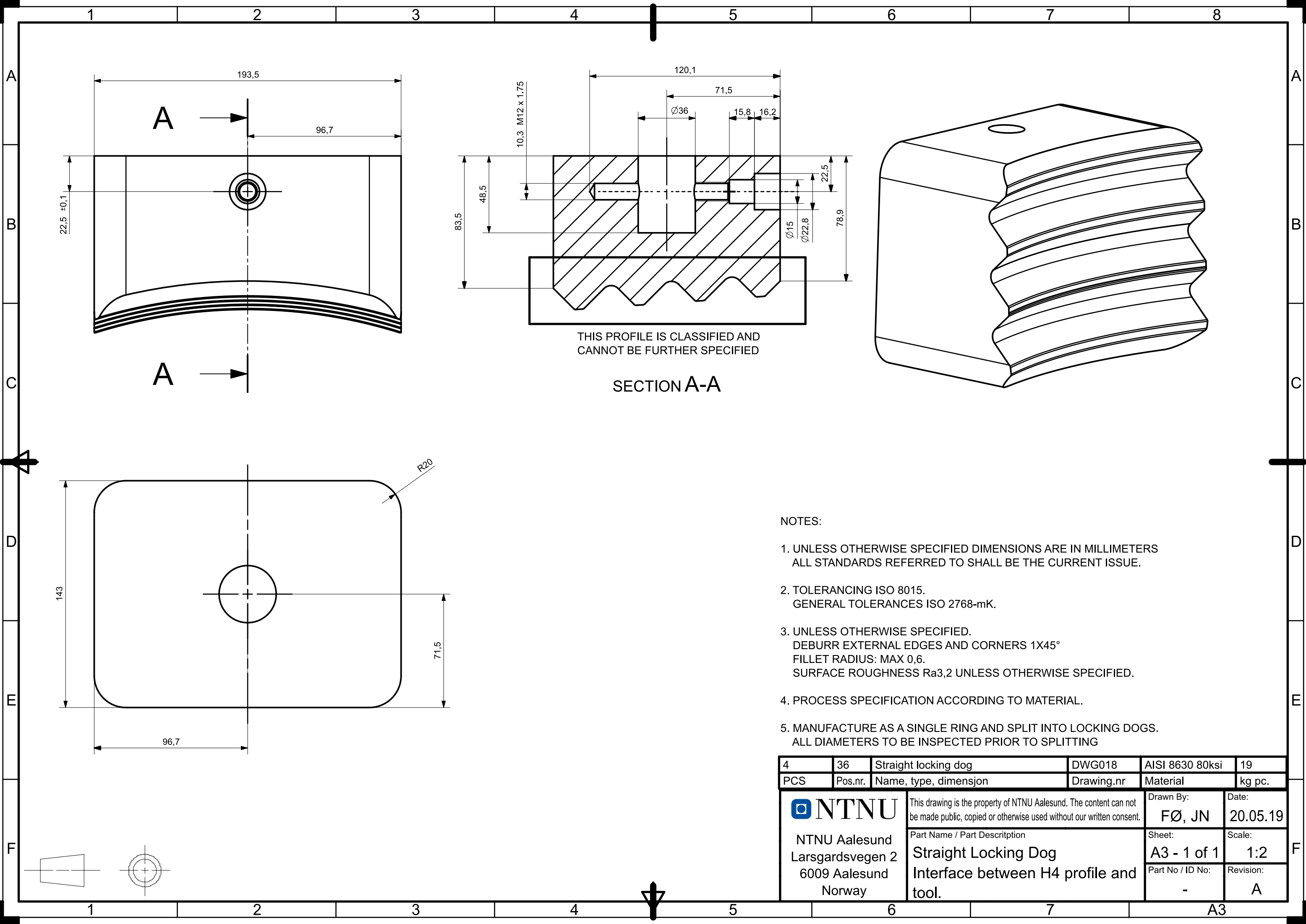
- 1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
- 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
- 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
- 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.

2	33	Guiding pin, tilted locking dog	DWG016	TTSTE 355 Z3	0.15
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: FØ	Date: 20.05.19
		Part Name / Part Description Guiding pin, tilted locking dog Interface between tilted locking dog pin and locking pin		Sheet: A3 - 1 of 1	Scale: 2:1
				Part No / ID No: -	Revision: A



- NOTES:
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GENERAL TOLERANCES ISO 2768-mK.
 - 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS.
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
 - 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.
 - 5. TEETH DIMENSIONS ARE CLASSIFIED
AND CAN NOT BE FURTHER SPECIFIED
 - 6. MANUFACTURE AS A SINGLE RING AND SPLIT INTO LOCKING DOGS.
ALL DIAMETERS TO BE INSPECTED PRIOR TO SPLITTING

2	34	Tilted locking dog	DWG017	AISI 8630 80ksi	14.4
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By:	Date:
		Part Name / Part Description Tilted locking dog Dogs located on the bottle opener side		FØ, JN	20.05.19
				Sheet: A3 - 1 of 1	Scale: 1:2
				Part No / ID No:	Revision:
				-	A




THIS PROFILE IS CLASSIFIED AND
CANNOT BE FURTHER SPECIFIED

SECTION A-A

NOTES:

1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
ALL STANDARDS REFERRED TO SHALL BE THE CURRENT ISSUE.
2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS 1X45°
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.
5. MANUFACTURE AS A SINGLE RING AND SPLIT INTO LOCKING DOGS.
ALL DIAMETERS TO BE INSPECTED PRIOR TO SPLITTING

4	36	Straight locking dog	DWG018	AISI 8630 80ksi	19
PCS	Pos.nr.	Name, type, dimensjon	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By:	Date:
		Part Name / Part Description Straight Locking Dog Interface between H4 profile and tool.		FØ, JN	20.05.19
				Sheet: A3 - 1 of 1	Scale: 1:2
				Part No / ID No:	Revision:
				-	A

A3

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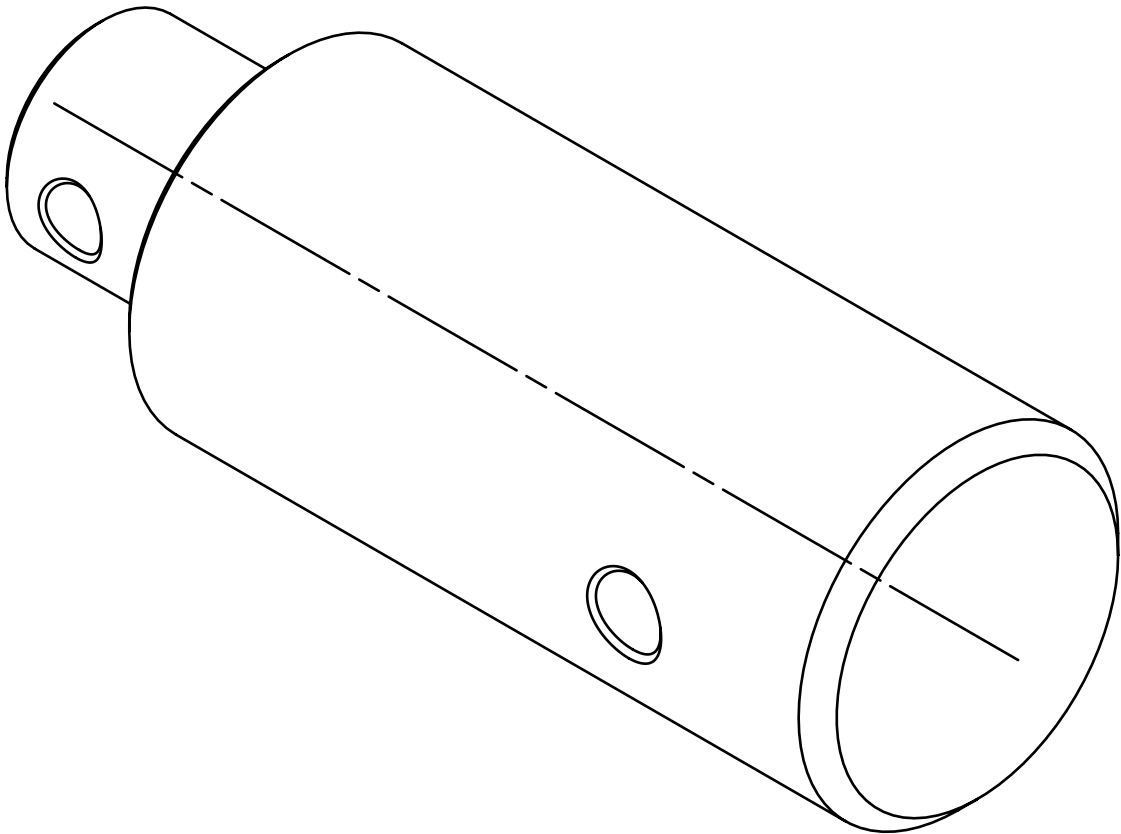
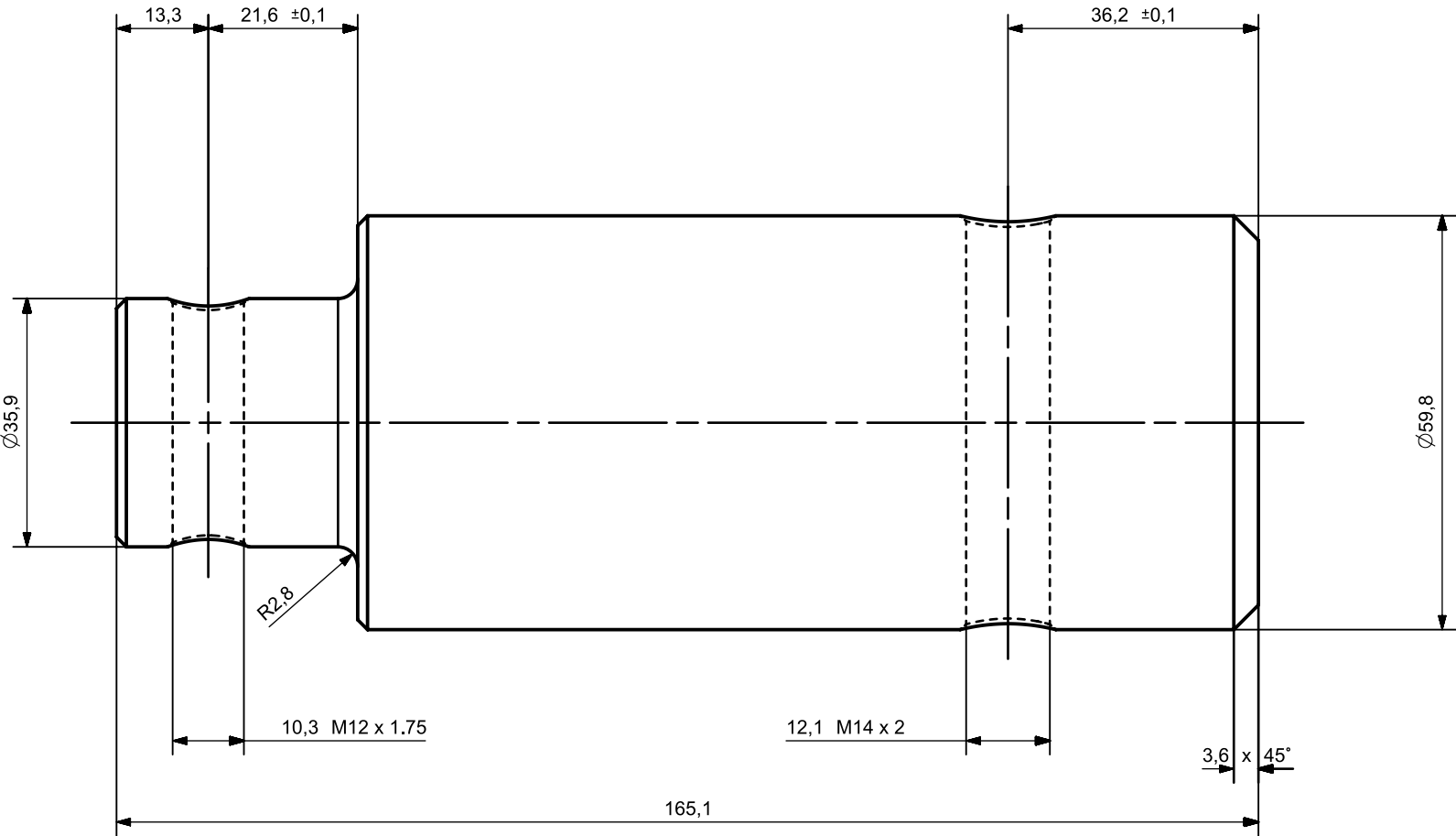
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E

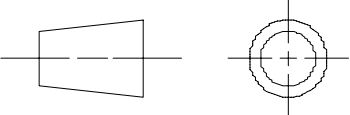
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F


F



- NOTES:
1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS
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 2. TOLERANCING ISO 8015.
GENERAL TOLERANCES ISO 2768-mK.
 3. UNLESS OTHERWISE SPECIFIED.
DEBURR EXTERNAL EDGES AND CORNERS.
FILLET RADIUS: MAX 0,6.
SURFACE ROUGHNESS Ra3,2 UNLESS OTHERWISE SPECIFIED.
 4. PROCESS SPECIFICATION ACCORDING TO MATERIAL.



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4	39	Transmission pin, Straight locking dog	DWG019	AISI 8630 80ksi	3
PCS	Pos.nr.	Name, type, dimension	Drawing.nr	Material	kg pc.
 NTNU Aalesund Larsgardsvegen 2 6009 Aalesund Norway		This drawing is the property of NTNU Aalesund. The content can not be made public, copied or otherwise used without our written consent.		Drawn By: FØ, JN	Date: 20.05.19
		Part Name / Part Description Transmission pin, Straight locking dog Interface between locking dog and locking ring		Sheet: A3 - 1 of 1	Scale: 1:1
				Part No / ID No: -	Revision: A